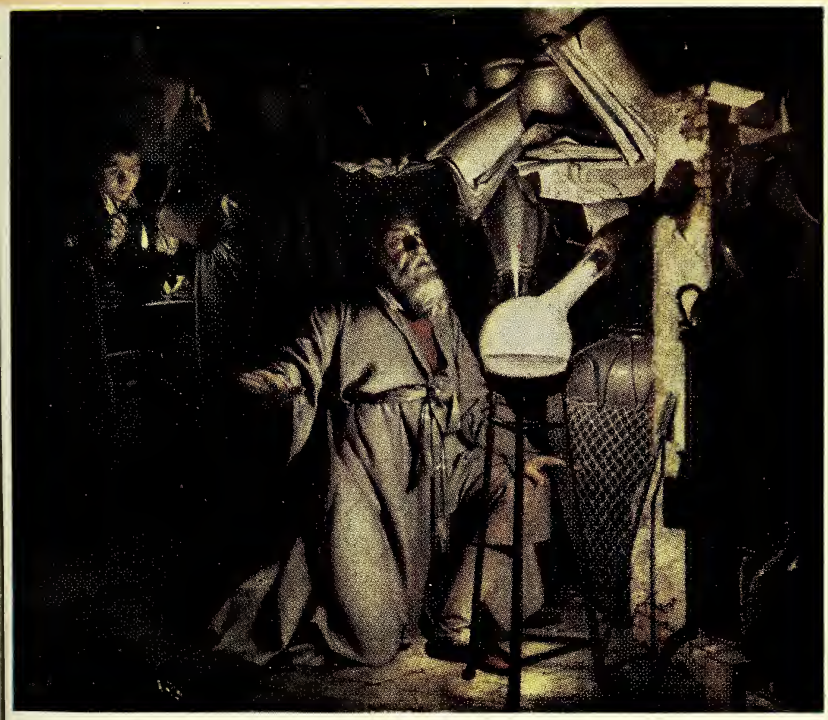
S'TT B. W. S'TT

The
CHEMIST AND DRUGGIST
RETAILER — WHOLESALER — MANUFACTURER
JULY 26, 1952



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"The hope of the far horizon — is better indeed than rest."

The expectation of discovering the Philosopher's Stone ever spurred this old alchemist (in this famous painting by Joseph Wright, of Derby) to new endeavour and to the discovery of phosphorus. So medical science spurs its votaries to new research for the benefit of mankind.

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PACKED PHARMACEUTICALS
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DISINFECTANTS

FOR SUMMER SALES

WRIGHT'S OPTICAL LOTION
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INSECT REPELLENT	SUNTAN OIL
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WRIGHT'S D.D.T. POWDER IN PUFFER TIN

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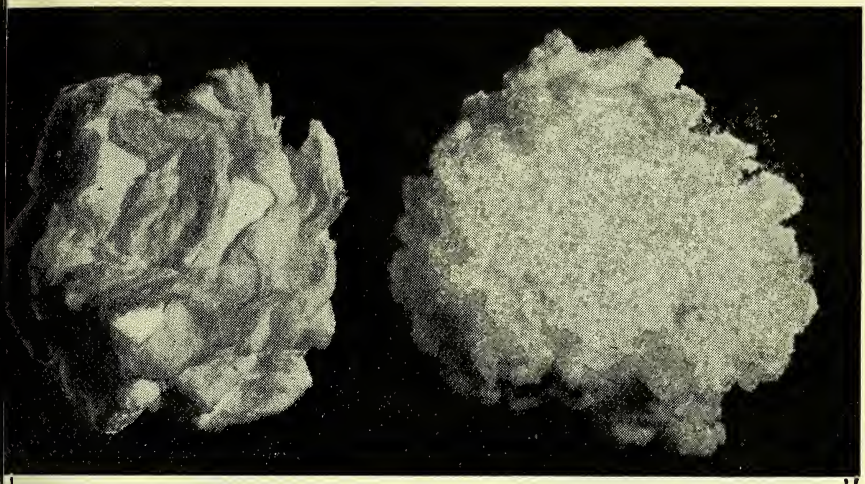
"A reputation that is sound and enduring is more valuable than a passing success however spectacular and it cannot be built up in a day."

Such is WRIGHT'S guidi principle and for 80 years policy of supplying only finest pharmaceutical prep ations at reasonable prices h been consistently maintain

THE NAME ALONE IS A GUARANTEE

ONE OF WRIGHTS PRODUCTS

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Which is softer?

On the left, ordinary soluble sanitary towel filling. On the right the exclusive Modess 'fluffed' filling. You can see at a glance Modess is softer, that it will not chafe, and gives the greatest possible degree of comfort in use. Add to this the other special Modess features—rounded streamlined ends, moisture-repellant backing marked by the blue thread and *exceptional degree of absorbency*, and you will understand why Modess towels are preferred for comfort and efficiency in almost every country in the world. Modess Sanitary Towels, made by the largest surgical dressing manufacturers in the world, are uniformly excellent. Whether soluble or cotton wool, they conform to the highest surgical standard of hygiene. In recommending them to your customers you are sure of building goodwill.

Modess

The best Sanitary Towel at any price

softer · safer · streamlined

SOLUBLE OR COTTON WOOL SANITARY TOWELS MADE BY
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"LITTLE JOHN" DRUMS
CRYSTALS, POWDERS, TABLETS

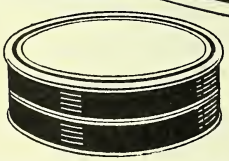
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SCARLET (G.P.O.)
WHITE (P.I.)
PURPLE
WHITE EDGES (P.I.)











PURPLE FLANGED

SCA (G

For over a century

Stock Round Boxes for the Chemist

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FIRST ESTABLISHED 1839 STILL LEADING 1952

All boxes in the above categories are now back to pre-war standard

The quality being improved by modern methods of manufacture



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Growth factors in Liver

HEPOVITE
Proteolysed Liver Tablets

EACH ONE GRM. TABLET contains 0.5 grm. Proteolysed Liver (Evans), equivalent to approximately 3 grm. of fresh liver.

ADMINISTRATION of liver powder in an average dosage of 1·2 grm. per day for thirteen weeks to children on a normal diet resulted in these children gaining 20% more in height and 40% in weight than a control series who did not receive the supplement. (Yudkin (1952) *Brit. med. J.* **1**,1388.)

PROTEOLYSED LIVER contains factors in addition to strepogenin and vitamin B_{12}, which are potent growth stimulants. (Kodicek & Miftry, (1952) *Biochem. J.* **51**,108.)

Hepovite Proteolysed Liver Tablets are available in containers of 24. Further information on request to Medical Information Department, Speke, Liverpool, 19.

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free PERSPEX DISPENSE

for easier counter sale



One of a new series of beautiful co pelling sales aids—this Perspex dispens is supplied free with every order 1 2 gross nets.

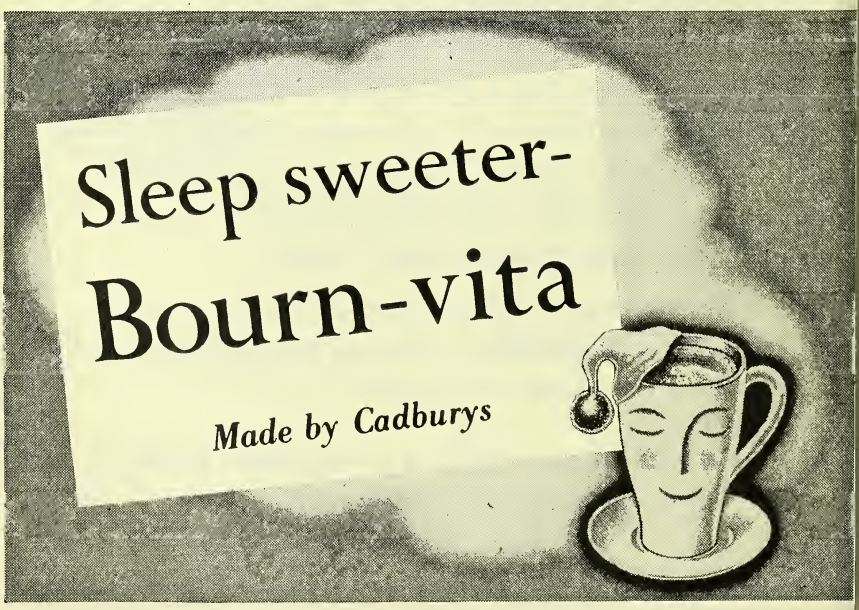
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ORDER TO-DAY FROM YOUR WHOLESALER!

Raywarp TEXTILES LIMITED—ALFRED STREET NORTH—NOTTINGHAM



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'PREGNENOLONE'

Active orally in the treatment of rheumatoid arthritis

Sixty-four patients with rheumatoid arthritis were treated with pregnenolone by mouth in dosages averaging about 500 mg. daily, over periods of time ranging from two to thirty weeks.

24 patients experienced striking improvement
26 showed minor improvement
14 showed no improvement

The usual maintenance dose was 400 mg. daily.

(*See J. of Clinical Endocrinology, Dec. 1950, p. 1523*)

Reduced prices

100 mg. tablets in bottles of 20 . . . Pharmacists 64/-. Retail 96/-
100 mg. tablets in bottles of 100 for dispensing 310/-
Also solution for intramuscular injection — 100 mg. pregnenolone in 2.5 ml. ampoules. Boxes of 3 . . . Pharmacists 12/4. Retail 18/6

THE BRITISH DRUG HOUSES LTD. LONDON N.I

Prnl/T/1a

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3 MOORLAND TABLETS are ... to relieve, pleasant to take

4 MOORLAND TABLETS are ec... mical. Large cartons co... 8 rolls of 10 tablets ea... 80 *tablets for* 2/0*d.* S... cartons contain 4 rolls ... 10 tablets—40 *tablets for* ...

The public want Moorland Antacid Indigestion Tablets. Make sure you display them in your window and on your counter.

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If aspirin were freely soluble and bland—

If calcium aspirin were stable and palatable—

That would be Solprin

'Solprin' provides pure calcium aspirin; yet is in stable, palatable tablet form. It thus overcomes the disadvantages of aspirin, low solubility and acidity, and the defect of calcium aspirin, a liability to decomposition during manufacture and storage. And it thus combines the analgesic, sedative and anti-rheumatic uses of aspirin with the ready solubility and blandness of pure calcium aspirin.

SOLPRIN REGD.

Provides stable, soluble, palatable calcium aspirin

Solprin is not advertised to the public and is available only on prescription (U.K. and Northern Ireland only). Dispensing pack, price 8/- (Purchase Tax Free) contains 300 tablets in foil.

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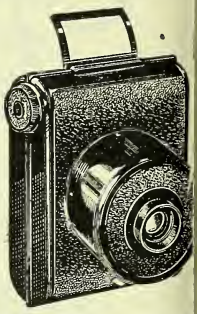
15/- each

(Minimum Order One Dozen)

Takes size 127 film

Cases available shortly at 3/-

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WHOLESALE PHOTO SUPPLIES

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Every day the 'NERVONE' message goes out to customers in your area!

NERVONE
REGD

BUILDS UP NERVE POWER

CONSISTENT advertising has created a lively demand for 'NERVONE' the new biochemic formula, and still more extensive advertising is now planned. More and more of your customers will ask for 'NERVONE' and 'repeats' and recommendations flow freely from initial orders. It pays to stock and display 'NERVONE'

One Shilling and Sevenpence PROFIT on Each Sale!

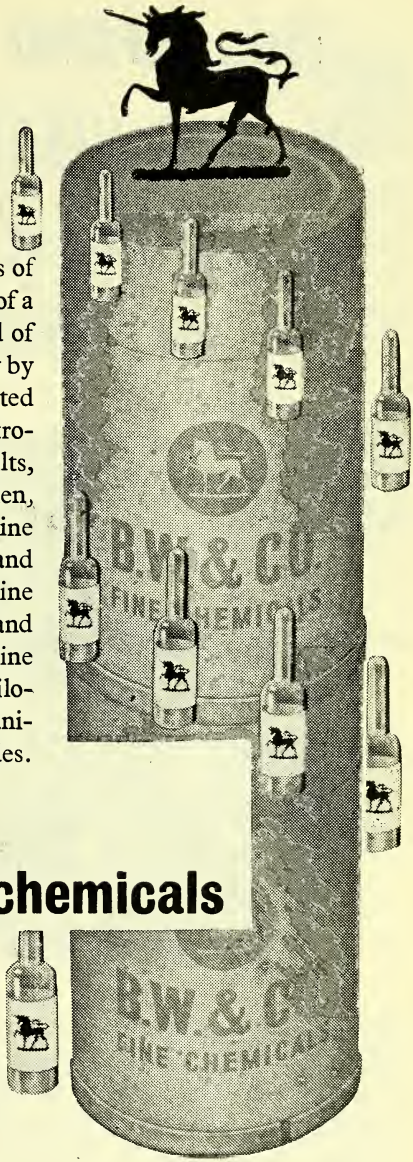
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Cecil House, Holborn Viaduct, London

"Perpedes"
Sheer
NYLON
FULLY FASHIONED
Two-way stretch
SEAMLESS
The latest in
SURGICAL
ELASTIC
HOSIERY
for
a discriminating
clientele

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PANTA (Instruments) LTD.
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Tons or grammes

Whether your requirements are several tons of a drug of liberal dosage, or a few grammes of a potent alkaloid you can always be assured of equally high standards of purity and quality by buying 'B. W. & Co.' Inquiries are invited for:—Adrenaline (base and bitartrate), Atropine (alkaloid and sulphate), Benzamine Salts, Bismuth Salts, Carbachol, Cinchophen, Digitalin Amorphous, Diphenan, Emetine Hydrochloride and E.B.I., Ephedrine and Salts, Ergometrine Maleate, Methylephedrine Hydrochloride, Homatropine (alkaloid and salts), Hyoscine Hydrobromide, Isoprenaline Sulphate, Ouabain, Physostigmine Salts, Pilocarpine Salts, Strophanthin-K, Sulphaguanidine and many other alkaloids and glycosides.



you can depend on B.W.&CO. fine chemicals



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.)
Chemical Sales Division, 183-193, Euston Road, LONDON

This ILFORD Advertisement

IN THE "DAILY EXPRESS"

will boost your sales of ILFORD FILMS!



This half-page advertisement will appear in the "Daily Express" on August 1st to give powerful support to your own efforts in selling ILFORD films.

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FOR CHEMISTS

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DRUGS SUNDRIES

Manufacturing Chemists

PILLS · TABLETS
PROPRIETARIES

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ATTRACTIVE
LABELS

THOMAS WAIDE & SONS LIMITED
KIRKSTALL HILL · LEEDS 5
KNOWN ALL OVER THE WORLD

THOMAS WAIDE & SONS LTD

PRINTERS & LITHOGRAPHERS
OVER 70 YEARS

CARTONS
AND OTHER PRINTED MATTER

★

DISPLAY

YOUR

Lucozade

STOCKS



and get the fullest benefit from the next

Lucozade

Half page advertisement in the

DAILY EXPRESS

on Thursday,

JULY 31

★

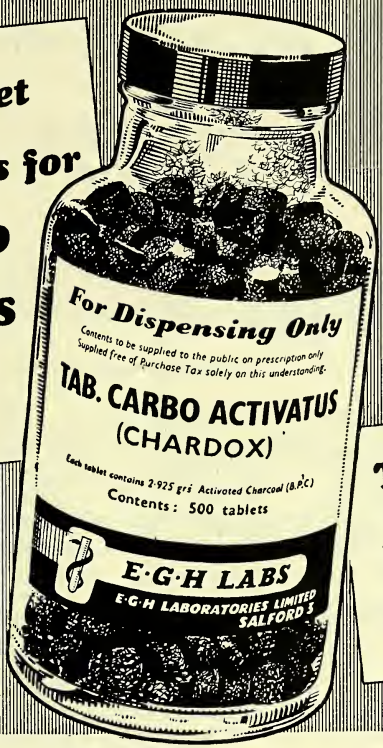
But not in a hot, sunny window.

Lucozade

the sparkling GLUCOSE *drink*

LUCOZADE LTD., GREAT WEST ROAD, BRENTFORD, MIDDX.

When you get prescriptions for TAB. CARBO ACTIVATUS (Chardox)



This is the packing you want

Chardox is a firmly compressed tablet containing 2.925 grs. of highly activated charcoal. Each tablet is equal to a tablespoonful of ordinary medicinal charcoal. Chardox is available in dispensing packs only — bottles containing 150 tablets, at 4/6 each, and bottles containing 500 tablets, at 12/6 each. *Both these packings are exempt from Purchase Tax.*

YOUR WHOLESALER CAN SUPPLY

E·G·H LABS

E. G. H. LABORATORIES LTD., 52, PERU STREET, SALFORD, 3, LANCS

Always remember the name

Certor

when you order corks. They are of good texture, and uniform in size.

IT SAVES TIME AND TROUBLE in your dispensing when you use corks which can be relied upon — corks uniform in size and of dependable quality.

That is why so many chemists are using Certor Corks and why you should use them, too. Millions of Certor Corks are used in the course of a year— a tribute to their quality and consistency.

They are available in two grades — Standard and Best.

PRICES

No.	Oz.	Standard Gross	Best Gross
3	1	1/11 5-grs. bags	3/- 3-grs bags
4	2-4	2/2 ,,	3/6 ,,
5	4-6	2/6 ,,	3/9 ,,
6	6-8	2/11 ,,	4/- ,,
7	8-10	3/4 ,,	4/6 ,,
8	12	3/10 3-grs. bags	5/- ,,
9	16	4/6 ,,	6/- ,,
10	20	4/11 ,,	7/- ,,

Always specify

Certor CORKS

Goods carriage paid in free packages

MACDONALD & SON LTD., HOPE MILLS, POLLARD STREET, MANCHESTE

A Quick Seller
Forcefully Advertised

ULTER

STOMACH TABLETS

SENSATIONAL NEW **2/6** HANDY POCKET WALLET

AND ATTRACTIVE COUNTER DISPLAY

18/- per DOZEN

2½% EXTRA ALL. 3 DOZ. ORDERS

5% EXTRA ALL. 6 DOZ. ORDERS

ULTER (Bradford) LIMITED
1 DELPH TERRACE, CLAYTON
BRADFORD



Regular Size Packs Retail at: **7/6** *and* **17/6**

Note

Timothy Whites and Taylors Branch Managers please note that ULTER (all sizes) is stocked at Burley Hill, LEEDS and at ALDERSHOT Warehouses.

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OIL SOLUBLE · MEDICINAL · WATER SOLUBLE

The range of Allen Chlorophylls now covers all types of usage. High grade products containing **80% and above Sodium copper chlorophyllins,** and many others are now in steady production.

Advice and technical information on the best quality to use in specific products will gladly be given on request.

THE ALLEN CHLOROPHYLL COMPANY LTD

Allen Chlorophylls

Wharf Road, London, N.1 *Telephone: CLErkenwell 1000*

TAS/CR. 1

Help yourself to these

Extra Big Profits on FORHANS TOOTHPASTE

Special 2-month Bonus Scheme commencing 1st August
OFFERS 12 FOR PRICE OF 11

GIVES OVER 65% ON COST ON BEST QUANTITY TERMS (6 DOZ)

Forhans PRICE CHANGES Give Chemists Highest Profit Margins

As from 1st August prices for FORHANS Toothpaste for the Gums will be:

Small Size

11/5d. per doz. **(P.T. 3/10d.)**
1/8d. each retail

Profit for you on cost
1 doz. quantity ... **54%**
3 ,, ,, ... **61.67%**
6 ,, ,, ... **65.81%**

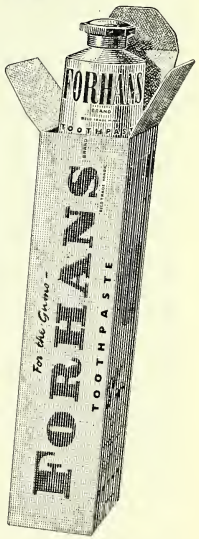
Large Size

18/9d. per doz. **(P.T. 6/3d.)**
2/9d. each retail

Profit for you on cost
1 doz. quantity ... **55.83%**
2 ,, ,, ... **63.78%**
3 ,, ,, ... **68.06%**

BIG FORHANS NATIONAL SALES DRIVE COMMENCES EARLY AUTUMN WITH

- PRESS ADVERTISING
- DISPLAY MATERIAL
- ATTRACTIVE NEW-DESIGN PACKS



FORHANS TOOTHPASTE for the Gums now incorporates the Special Forhans Formula which means you need stock but ONE LINE OF FORHANS . . . it is available to your customers in two popular sizes.

Don't wait until it's too late place your bonus orders today!

Write to: FASSETT & JOHNSON LIMITED, 86 CLERKENWELL ROAD, E.C.1

C

BIGGEST NEWS



IN TOOTHPASTE

NOW...

KOLYNOS WITH

CHLOROPHYLL.

AND

THE BIGGEST ADVERTISING CAMPAIGN IN 40 YEARS TO LAUNCH IT!



The New Kolynos with Chlorophyll is the biggest toothpaste news ever. This news is being put across for you through a real heavy-weight campaign of attention-getting, hard-selling advertising — the biggest concentration that Kolynos has ever given to you in all their 40 years in the toothpaste business.

Meaning BIGGER SALES, BIGGER PROFITS, you make sure you get your displays up now.

Don't miss a single sale—order *now* and order *rough* to meet the sensational new demand that coming for this sensational new toothpaste.

TRADE TERMS

Retail selling price 1/8 *(including tax)*
List price per dozen 12/-
purchase tax 4/-
YOUR BASIC PROFIT 4/-
Kolynos with Chlorophyll tooth paste qualifies for the usual co-operation discounts on I.C.C. mixed parcels, £5 *parcel* 10%; £10 *parcel* 12½%, *your profit on best terms* 34.37%

STANDARD KOLYNOS AVAILABLE AS USUAL

powerful advertising campaign for a new line at 6D



A New Appeal

CLOR-O-FILT tablets are pleasant and refreshing to the taste, to be sucked like sweets; yet rich in Chlorophyll for dispelling breath and body odours. Attractively packed in handy rolls at the popular retail price of 6d.

Effective Advertising

CLOR-O-FILT advertisements will appear regularly in the largest circulation National Newspapers and Periodicals. Clinch sales at *your* counter with this well advertised line.



Attractive Display

12 rolls CLOR-O-FILT are packed in a compact display carton; 12 cartons to a cardboard container.

50% PROFIT ON COST — PLUS BONUS

Special Introductory Counter Display Bonus offer up to August 31st. *One dozen rolls of CLOR-O-FILT Free with every gross order.*

Retailers price including P.T. 4/-

ORDINARY	*BONUS SCHEME FOR 13 DOZ. ROLLS*	
Retailers price 3/- doz. *(Ex. P.T.)*	12 dozen	£1 . 16 . 0
Add P.T. 1/-		12 . 0
	Add P.T. for 1 doz. free bonus	1 . 0
		£2 . 9 . 0
	Profit	£1 . 9 . 0

CLOR-O-FILT

1 TOWER CHAMBERS - HOE STREET - LONDON, E.17

FILL IN COUPON ON OPPOSITE PAGE — TODAY!

EXPERT GUIDANCE IN . . .

TRUSS FITTING

Under the National Health Service these appliances can be ordered on EC10 forms.
Pharmacists should be fully acquainted with the practical details involved in the supplying and fitting of them.
The informative series of articles on the subject recently published in "The CHEMIST AND DRUGGIST" have been reprinted in booklet form, "THE FITTING OF TRUSSES AND ELASTIC HOSIERY", which provides full information in concise detail. Copies should be handy for reference purposes in every pharmacy.

Supplies are now available at the following prices :—
Single copies . . . 1/6 post free. 1 doz. copies . . . 1/4 each post free.
2 doz. copies . . . 1/3 each post free. 50 copies or over 1/- each post free.

Orders with remittance to the Publisher.

The CHEMIST AND DRUGGIST
28 ESSEX STREET, STRAND — LONDON, W.C.2

COMPLETE THIS COUPON AND POST TODAY TO :—

PRECISION COMPRESSED TABLETS LTD.
1 Tower Chambers, Hoe St., LONDON, E.17

MANUFACTURERS OF
NATURES GREEN MAGIC DEODORANT
STOPS BAD BREATH
CLOR-O-FILT
REGISTERED TRADE MARK
CONTAINS CHLOROPHYLL

SPECIAL INTRODUCTORY COUNTER DISPLAY BONUS OFFER UNTIL AUG. 31st.
HURRY! Obtain your share of the extra profits

ONE DOZEN ROLLS FREE WITH EVERY GROSS ORDER
(SEE ADVERTISEMENT ON OPPOSITE PAGE)

Please supply _____ doz. rolls of CLOR-O-FILT tablets and allow the special introductory counter display bonus

P.Tax Reg. Cert. No. (if any)----------
Name of Firm----------
Address----------
Signature----------

For smaller quantities than one gross please state :—

Wholesaler----------
Address----------

WHOLESALERS! PLEASE WRITE DIRECT FOR TERMS

The End of a Long and Happy Association . . .

On September 30th this Agency will be resigning final advertising connection with Beecham Group Ltd.

Thus a long and happy association, extending over more than 20 years, comes to an end.

During the whole of that time we have had the privilege of handling the advertising campaign for YEAST-VITE. For 12 years we have handled MACLEAN BRAND STOMACH POWDER and TABLETS and, since 1948, MAC BRAND ANTISEPTIC THROAT SWEETS.

For over 20 years we have also prepared the copy for BEECHAM'S POWDERS and VENO'S COUGH MIXTURE.

During this period, too, we have in the past been invited to co-operate on the copy side for other Beecham Lines such as BEECHAM'S PILLS, Dr. CASSELL'S TABLETS, GERMOLENE, GERMOLOIDS, etc. For some years we handled the campaign for SHERLEY'S VETERINARY PRODUCTS.

During our association we have also handled considerable Overseas Advertising for many Beecham Products.

Such a break after such a long and broadly-based association is not made without regret and our thanks are due to all those with whom we have come into contact for the cordial relations and mutual respect which have existed between us.

WE ARE NOW FREE to consider the problems of other advertisers. Whilst we have specialised mainly in Medicine and Mail Order Advertising, and can claim a unique and invaluable experience in these two fields, we believe that the fundamentals of economy and psychology learned in 40 years can be applied successfully to other propositions.

T. C. BENCH
LIMITED

GOVERNING DIRECTOR: T. E. BENCH

ADVERTISING ADVISERS & CONTRACTORS

185, UXBRIDGE ROAD, HAMPTON HILL, MIDDLESEX

Telephone : Molesey 3101-3102-3103

The facts about Glucose

The term ***Glucose*** is in practice a general description rather than a precise one. It is applied to medical preparations containing additives which may not always be wanted and to commercial products of varying degrees of refinement. To identify Glucose in its purest form, *and only in this form*, the term Dextrose is used.

Dextrose, as found in the blood and tissues, is the sugar into which the body converts all carbohydrates for use as a source of immediate energy.

Dextrosol (pure medicinal Glucose, i.e. Dextrose) is offered to the public by the actual manufacturer—the Pharmaceutical Division of Corn Products Company Limited.

Dextrosol is prepared in two convenient forms :—

Dextrosol Powdered Glucose

Contains no additives of any kind. A valuable source of extra energy for athletes and all who lead an active life. Should be prescribed whenever a patient needs sugar without digestive effort. In 1 lb. & ½ lb. cartons.



Dextrosol Karo Glucose Syrup

for Infants and Children

An appetising blend of pure Glucose and selected carbohydrates, carefully balanced to provide the ideal sugar addition to the milk diet of artificially-fed infants. Of special value in nutritional disorders. Packed in 1 lb. tins.



For full information about

DEXTROSOL

BRAND

Glucose Products

you are invited to write to the Pharmaceutical Division of CORN PRODUCTS COMPANY LIMITED *Wellington House*, 125-130 *Strand, London, W.C.2. A Member of the Brown & Polson Group.*

C. F. GERHARDT LTD

BOTANICAL DRUGS & FINE CHEMICALS

EST. 1864

GUARANTEED PURITY—PROMPT DELIVERY

AGAR-AGAR
ALOIN B.P.
AMINOPHYLLINE B.P.
ATROPINE SALTS
CASCARA BARK
EXT. BELLAD. LIQ. B.P.
EXT. IPECAC. LIQ. B.P.
HISTAMINE SALTS
ISO-NICOTINIC ACID HYDRAZIDE
MENTHOL CRYSTALS
SENEGA ROOT
THEOBROMINE ALK.

KHELLIN — OPIUM — PODOPHYLLIN

TEL.: MANSION HOUSE 5095 **5 FENCHURCH ST., LONDON, E.C.3**

"NIAGARA" BLACKCURRANT SYRUP

SYRUP OF BLACKCURRANT B.P.C.

SYRUP OF RASPBERRY B.P.C.

6 to 1 CONCENTRATED RASPBERRY JUICE

Enquiries to:—

BARNETT & FOSTER LIMITED

Established in the Year 1858

NIAGARA WORKS, EAGLE WHARF ROAD, LONDON, N.1

Telephone: CLIssold 7132

Preliminary Announcement on

BUTAZOLIDIN

a powerful new antirheumatic

THE first clinical reports on Butazolidin show that the drug "*as an anodyne in cases of rheumatoid arthritis is quite exceptionally effective*,"[1] and that the relief of pain and stiffness that followed its use "*was almost constant and in some instances dramatic.*"[2]

A highly active preparation in a wide range of rheumatic conditions, Butazolidin is effective in acute phases of rheumatic disease and in chronic cases. Diminution of pain and increased freedom of movement are strikingly noticeable, resulting in a marked improvement in the well-being of the patient.

Butazolidin (3, 5-dioxo-1, 2-diphenyl-4-n-butyl-pyrazolidine) may be administered orally or parenterally. The tablets are formulated to disintegrate in the small intestine, thus obviating any risk of irritating the gastric mucosa. Literature is available on request.

1. *J. P. Currie*, Lancet, *July* 5, 1952, *p.* 15
2. *F. Bach*, Lancet, *July* 12, 1952, *p.* 92

Geigy

ANALGESIC · ANTIPYRETIC
ANTI-INFLAMMATORY

Tablets : 0.2 gm., containers of 20, 50 and 100. Dispensing packs : 100 and 500.
Ampoules : 5 c.c. boxes of 5 and 50.

A Geigy medical announcement

PHARMACEUTICAL LABORATORIES GEIGY LTD.,
Rhodes, Middleton, MANCHESTER

PH. 45a

Sensational sales take trade by surprise!



The sales of Silvikrin Liquid Shampoo are rising faster than ever—so fast that many retailers have found themselves seriously understocked. Don't be caught that way yourself. 1952 is already a boom year for Silvikrin Liquid Shampoo. Check your stocks and order now!

Silvikrin *Liquid Shampoo*

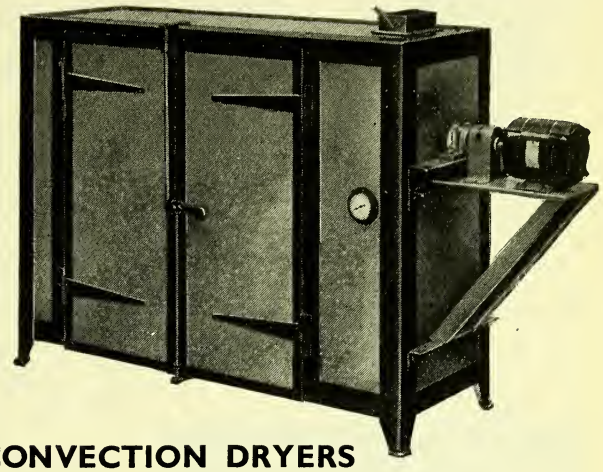
T/SLS-4A

SILVIKRIN LABORATORIES LIMITED, County Building, Honeypot Lane, Stanmore, Middl

Have you a Drying Problem—

Your Drying Process can be :—

- **MORE RAPID**
- **MORE UNIFORM and THOROUGH**
- **MORE PRODUCTIVE and above all,**
- **MORE ECONOMICAL**



If you Install :—

CONTROLLED CONVECTION DRYERS

—or mixing troubles?



MIXERS AND AGITATORS

For quicker, economical, thorough mixing of your product. Accurate pitch, blade indexing and balance reduce shaft "whip" to minimum and give optimum mixing efficiency when combined with "off centre" mixing.

Portable units up to 2 h.p., with speeds suitable for your particular problem. Shafts and propellers in stainless steel or other materials as required.

SUITABLE VESSELS ALSO SUPPLIED

CONTROLLED CONVECTION DRYING Co. Ltd

LEVELAND BUILDINGS · 94 MARKET STREET · MANCHESTER 1

Telephone: BLACKFRIARS 0881

'PYREX'

Regd. Trade Mark BRAND

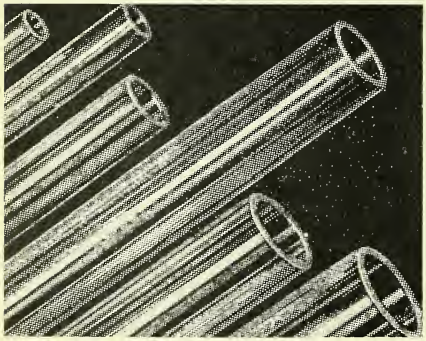
Laboratory and Scientific Glassware

A boro-silicate glass of low alkali content, 'PYREX' Brand Glassware resists attack from all ordinary reagents.

Its low coefficient of expansion enables 'PYREX' Brand apparatus to be made with thicker, stronger walls, thus reducing risk of breakage, while retaining a very high resistance to the effects of sudden temperature changes.

A simple but very effective system ensures accurate calibration of 'PYREX' Brand Graduated Glassware, to **NPL, Class A** or **Class B** Standards as required.

The foregoing properties offer very sound reasons for using 'PYREX' Laboratory and Scientific Glassware, on grounds both of efficiency and economy.



'PYREX' Brand PRECISION BORE GLASS TUBING

Made by a continuous stretching process which ensures highly accurate inside dimensions, 'PYREX' Precision Bore Glass Tubing is exceptionally suitable for hypodermic syringe barrels, pump cylinders, etc. Normally supplied with a bore tolerance of + or − 0·05 mm., but for special needs can be supplied to + or − 0·02 mm.

S 102 C

To Messrs. James A. Jobling and Co. Limited.

Please send us illustrated catalogue of 'PYREX' Brand Laboratory and Scientific Glassware and two copies of your Chemist's Notebook.

Name .....

Address .....

.....

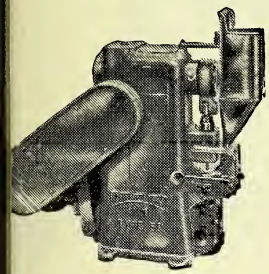
JAMES A. JOBLING and CO. LTD.

Wear Glass Works Sunderland

The original and only makers of 'PYREX' Brand Glass in the United Kingdom.

MANESTY

Tablet-Making Machinery



P.1 : Bench Machine. uilt-in starter ; Perspex ie-table guards; output 5 per minute.

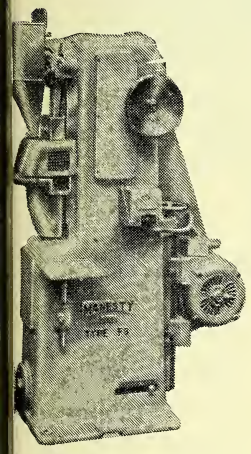
There are indeed few problems, if any, in tablet compressing that cannot be solved with MANESTY Tablet Machines. Study the range of MANESTY Machines by sending for the latest illustrated literature and see how Manesty can help you.

MANESTY
MEANS
PRECISION-BUILT

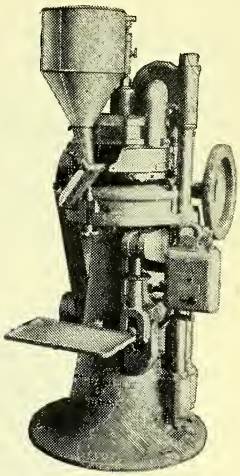
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Have you this book?

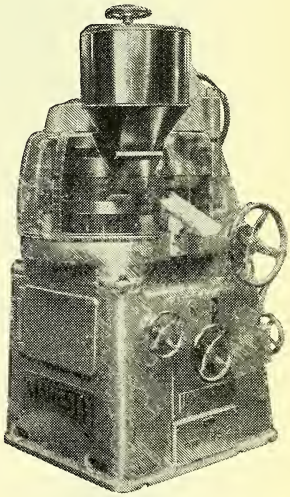
" Tablet Making " — An authoritative volume by A. Little & K. A. Mitchell. 121 pp. 41 illus. 25 formulæ. Cloth bound 15/- net post free.



3 : Totally enclosed, lf contained drive ; tput 85 per minute.



D.3A : Rotary, Self-contained drive ; Fully guarded ; output 320 per minute.



R.S.2 : Rotary. For diameters up to 1⅜" Clutch control : output 325 per minute.

MANESTY MACHINES LIMITED

EPT. 5 SPEKE LIVERPOOL 19

elephone: Hunts Cross 1972 Telegrams: Manesty, Liverpool 19

BLET MACHINES · COATING PANS · GRANULATORS · MIXERS · PUNCHES AND DIES · AUTOMATIC WATER STILLS

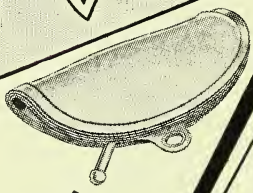
ALWAYS IN DEMAND . . . *NATURALLY!*

Gone are those awkward periods of embarrassment for parents . . . . those moments of distress and discomfort for children. With the handy TRAVELJOY it is so convenient at all times to overcome the minor crises of travel . . . . Nature's essential needs are attended to promptly and properly. On every journey TRAVELJOY spells a 'first-class seat' for any child! *Stock TRAVELJOY and so link up with the National advertising now running.*



"THE PERFECT POTTIE"

TRAVELJOY





IN ALL NURSERY COLOURS

★ *Obviates Worry to Parents*

★ *Nervousness in Children*

RETAIL PRICE 17/6

TRAVELJOY provides home comfort in a second — anywhere It is made of stout rubber, is unbreakable and hygienic. Pack flat to go into pocket or handbag. Cannot tip up. A pu inflates it to provide firm yet soft support. Suits Children of a ages. Encourages good habits. Ready for instant use. Counte acts constipation. Medically approved and recommende Supplied in attractive presentation box.

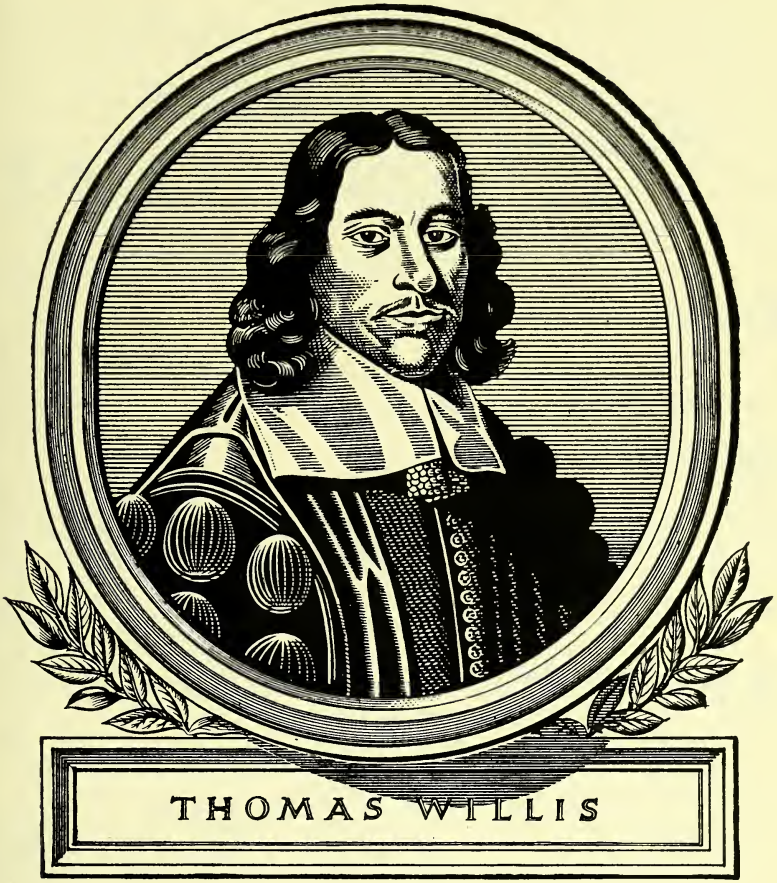
Chosen by the Council of Industrial Design for the Festival of Britain.

Patent No. 31154/49. Reg. Des. No. 861,702. Patented in U.S.A. No. 198,990. Patents applied for in Australia, Canada, S. Africa.

See the TRAVELJOY on **Stand No. 27** Chemists Exhibitio Sept. 29 to Oct. 2.

For full details of attractive terms, etc., write to:

TRAVELJOY PRODUCTS LTD · 68 FORE STREET · ST. MARYCHURCH · TORQUA



Foremost in diabetes — Diabetes mellitus was first distinguished from diabetes insipidus by Thomas Willis, the 17th century anatomist and physician. His name is indelibly recorded in the annals of diabetic research. The brand name 'Wellcome,' applied to insulins, is held in similarly high esteem by all who dispense or prescribe for the disease. Whichever type of insulin you are asked to supply, a 'Wellcome' brand preparation is available.

'WELLCOME' BRAND

INSULIN (Unmodified or Soluble)
GLOBIN INSULIN (with Zinc)
PROTAMINE ZINC INSULIN

BURROUGHS WELLCOME & CO. *(The Wellcome Foundation Ltd.)* **LONDON**

for declining or disturbed gonadal function in both sexes

♀ BALANCE ♂ **MIXOGEN** ♀ ♂

This unique balance of male and female hormones is now widely and successfully used in the treatment of the menopause, dysmenorrhoea and the male climacteric.

The physiological combination which is responsible for Mixogen's outstanding effectiveness and economy is the result of extensive clinical trial in the U.K. It is represented in each tablet by:

Ethinyloestradiol - - 0.0044 mg.
Methyltestosterone - - 3.6 mg.

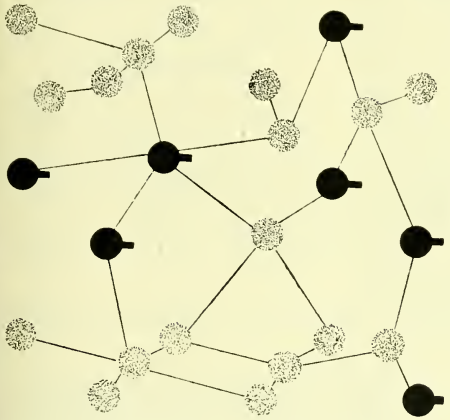
In packs of 25, 100.

Dose: 1-2 tablets daily.

PRESCRIBABLE UNDER THE N.H.S.

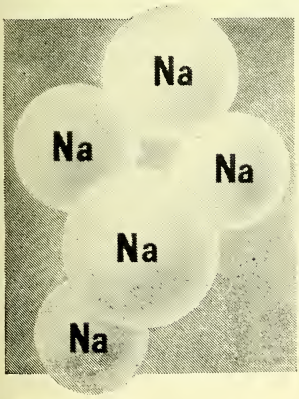
ORGANON LABORATORIES LIMITED
BRETTENHAM HOUSE, LANCASTER PLACE,
LONDON, W.C.2.
Telephone: TEMple Bar 6785/6/7, 0251/2.

A NEW BAYER PRODUCT



Graphic Representation of Cross-linked Polymerized Resin Molecule

Ion Exchange Resin for ŒDEMA



A new cation exchange resin containing sulphonic groups (75 per cent in ammonium and 25 per cent potassium cycle), 'Katonium' is active throughout the entire gastro-intestinal tract. It is indicated in œdema where it may enhance the action of mercurial diuretics and permit a more liberal diet containing some sodium. Katonium is pleasant to take and not unduly "bulky". For the present it is intended for hospital use only.

KATONIUM

TRADE MARK

BAYER PRODUCTS LTD., AFRICA HOUSE, KINGSWAY, LONDON, W.C.2.



POSTLIP
MILL 633

EVANS, ADLARD & Co LTD · WINCHCOMBE · Glos.

RETAILS AT 6D.

THE LIPTOL
SEMI-CREPE TOILET ROLL
(attractively banded)

WHOLESALE:
44/- Per Gross
Carriage Paid

Samples on request

LIPTON'S PAPER MILLS
LIMITED
DEVONSHIRE WORKS,
DUKES AVENUE, CHISWICK,
W.4
Telephone : Chiswick 3600 (8 lines)

The Cleanser for every need

LINAPOL



This universal liquid cleanser is now available for household use. Invaluable for the weekly wash, washing-up and general household cleaning. Retails in big 20 oz. bottle at 1/6.



HYDROGEN PEROXIDE

10 and 20 volumes in bottles.
A wide range of packs and labels available.

LAPORTE

LAPORTE CHEMICALS LTD., LUTON.
Telephone: Luton 4390 Telegrams: Laporte Luton.

KATWIJK

N.V. SOCIETEIT VOOR
CHEMISCHE INDUSTRIE
"KATWIJK"
KATWIJK - AAN - ZEE
HOLLAND

Producers of:
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Madras Agent :
THE DOLLAR CO., 337 Thambu Chetty St.
A G.T. MADRAS

JKL

AGAR-AGAR
BALSAM TOLU ORIGINAL IMPORT
GRINDELIA HERB
HYDRASTIS ROOT
LOBELIA HERB
PAPAIN
SABADILLA SEED
SQUILLS-WHITE CUT
WITCH HAZEL LEAVES
WITCH HAZEL BARK
and all other
Botanicals, Gums, Waxes,
Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.
Gresham House, 24 OLD BROAD STREET, E.C.2
Telephone: London Wall 4882, 6585, 6586
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Branches in New York and Hamburg

CT BRAND PRODUCTS
for
fine chemicals
especially:—
ASPIRIN B.P. "FRE-FLO"
CITRIC ACID B.P.
SALICYLIC ACID B.P. & TECH.
SODIUM SALICYLATE B.P.
TARTARIC ACID B.P.
VANILLIN 100%

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GUM TRAGACANTH

GUM KARAYA
WHOLE AND POWDERED

M. HAMBURGER & SONS
DIRECT IMPORTERS
Plantation House
MINCING LANE, LONDON, E.C.3
Telephone: Mansion House 4405 (3 lines)

Now Available ... SACKERS HYGIENIC METAL COMBS
Will remove Nits, Vermin from hair and scalp
All Enquiries
SAQUERRE LTD. 62-64 BROOK STREET, LONDON, W.1

POTASSIUM METABISULPHITE
CITY 4243
ALWAYS IN STOCK
L.R.B. PEARCE LTD., 3 BUCKLERSBURY, LONDON, E.C.4

TANNIC ACID (Bulk Supplies Only)
AND DERIVATIVES

THE BRITISH DYEWOOD COMPANY LIMITED
19 St. VINCENT PLACE, GLASGOW, C.1



BEATSON

BAKELITE CAPPED

Champagne Oils

These bottles greatly enhance the presentation of packed oils. They are available in 2½ oz., 5 oz., 10 oz., and 20 oz. capacities.

TRADE MARK REGISTERED

BEATSON CLARK & CO., LTD.

Glass Bottle Manufacturers

ROTHERHAM *Est. 1751* YORKS

BC75

ORME'S OF COVENTRY

OVERALL CLOTHING SPECIALISTS

WOMEN'S WHITE COATS

SW	*WMS & WX*	*OS & XOS*
23/6	**24/6**	**25/11**

EXTRA LONG 48" 1/6 EXTRA

ALSO IN COLOURS FROM **26/6**

SILK RAYON, WHITE or COLOURS from 28/11

(INVERTED PLEATS—SMART and STYLISH)

MEN'S WHITE COATS

34" to 46" **25/11** and **26/11**

48" and 50" **28/6**

WHITE JACKETS

34" to 46" **21/6**

WHITE DENTAL COATS 29/11

BUTTON ON SHOULDER 36" to 46"

OVERALLS FOR EVERY TRADE

POSTAGE 1/- EXTRA PLEASE

ORME BROS. LTD

20 CORPORATION STREET, COVENTRY

PHONE: 2972 EST. 76 YEARS

Dyanese FADELESS DYES

2½d. STOCKING (except Black) 20/- gross

4d. COLD WATER, CURTAIN and Black Stocking Dyes 32/- gross

Order Dyes and Shade Cards from our Agents

Gt. Britain: W. B. Cartwright Ltd., Rawdon, Leeds

N. Ireland: T. McMullan & Co., Ltd., 42 Victoria St., Belfast. *Eire:* May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6.

QUEEN

NON-ALLERGIC TOILET PREPARATIONS

Available from your Wholesaler or direct from the makers

BOUTALLS CHEMISTS LIMITED

60 Lamb's Conduit Street, London, W.C.1



First with
SALICYLAMIDE

Now... I.N.H
(iso - nicotyl - hydrazide)
and of course P.A.S.

QUANTITIES SMALL OR LARGE
HOME OR EXPORT

•

— As exhibited —
British Industries Fair, Olympia, May 1952
International Trade Fair, Toronto, June 1952
International Congress of Obstetrics and Gynæcology
Leeds, July 1952
etc., etc.

SPECIAL PRICES FOR HOME AND EXPORT
BULK SUPPLIES

Tablets and Pills Any Variety — Any Quantity

CHEMOTHEUTIC BCP OPT

BRITISH CHEMOTHEUTIC PRODUCTS LTD
KEMTHEUTIC HOUSE, P.O. BOX 242, BRADFORD, ENGLAND
Telephone : 22005 — Telegrams : Kemtheutic, Bradford

a cas

. . . essential for the health of trade. Owing to an acute case of raw material shortage, a chronic lack of containers has set in . . . to endanger your future supplies. Chance of recovery in this case depends on you.

Give every C.R.S-marked case as long a history as possible—keep each container carefully until the C.R.S van collects for re-use.



CONTAINER

S.P.D. LIMITED

CRS 92-1062-120

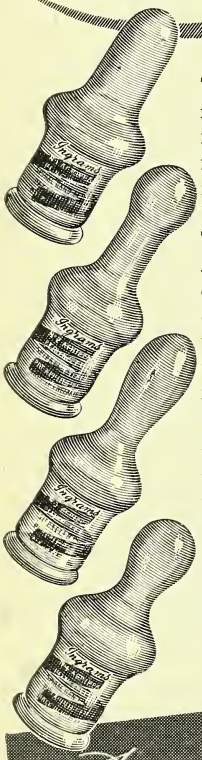
istory.



recovery service

-5 SALISBURY SQUARE, LONDON, E.C.4

A new Ingram's teat for 8d



This new teat in finest rubber, combines all the famous Ingram safety features. It will withstand repeated sterilization in boiling water and is **TESTED FOR FLOW.** Available in four distinct shapes, individually packed in attractive display cartons, these new teats deserve the most prominent display.

Commencing August next an intensive advertising campaign in leading women's journals will be read by hundreds of thousands of potential customers. Prepare now by ordering ample stocks of Ingram's latest spiral teat.

Ingram's EXCLUSIVE SPIRAL TEAT 8d

ENSURES *safe* FEEDING

BEST SELLER BY FAR . . .

Lastonet has become easily the most popular surgical stocking on sheer merit. Get the most out of this expanding trade by making a bold show of Lastonet display material and keeping a stock of measurement forms. Both are available on application.



MADE ONL TO MEASUR

Lastonet E-L-A-S-T-I-

FEATHERWEIGHT NET STOCKI

℗ 5 LASTONET PRODUCTS LTD., Carn Brea, Redruth, Cornw

AN ALL COTTON WOOL PRODUCT OF REPU

Consoluxe (Registered) Patent No. 41070

SUPERFINE QUALITY ALL WOOL SANITARY TOWEL

LOOPED ENDS NON-ABSORBENT BACK

WHOLESALE ONLY

ROBERT BAILEY & SON, LT

SURGICAL DRESSINGS MANUFACTURERS

DYSART STREET, GREAT MOOR, STOCKPO

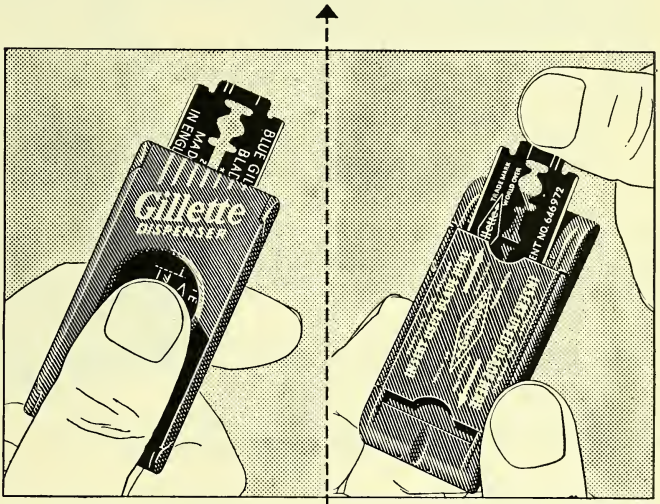
Phone: STEPPING HILL 3006/7 Grams: "UNDISPUTED" STOCKP

New Gillette pack

means more profit for you

Available from mid-August

10-Blade Blue Gillette Dispenser with built-in used blade compartment retail price 3/- including P. Tax



A new blade in a flash!

Old blades slide into used blade compartment.

10-Blade Blue Gillette Dispenser with used Blade compartment



The new Dispenser contains 10 Blue Gillette Blades perfectly protected, factory sharp, READY UNWRAPPED FOR INSTANT USE; and a built-in compartment that solves the old blade nuisance for good. The Gillette national advertising campaign will feature this new Dispenser from mid-August. Order now and ensure delivery.

The Price Range for Blue Gillette Blades from 15th August will be:—

10-Blade Dispenser (as above) **3/-**
20-Blade Dispenser (present model) **5/8**
Standard packets: 10-Blades **2/8** 5-Blades **1/4**

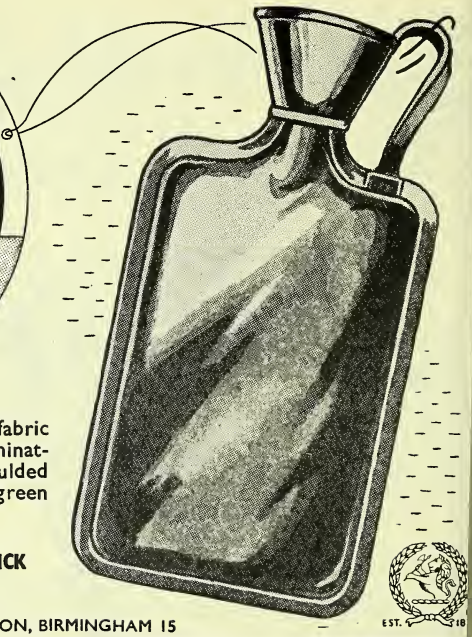
Trade enquiries to your usual wholesaler or direct to:—
Gillette Industries Limited, Great West Road, Isleworth, Middlesex

MOSELEY

HAND MADE

HOT WATER BOTTLES

Last for years



Hand-made type bottles reinforced with fabric (strongly preferred by hospitals and discriminating buyers) available in red or white. Moulded hot water bottles also available in blue, green or red.

Further details and terms from :—

DAVID MOSELEY & SONS LTD., ARDWICK MANCHESTER, 12

55 NEW BOND STREET, LONDON, W.1

4 GEORGE ROAD (ISLINGTON ROW) EDGBASTON, BIRMINGHAM 15

EST. 1848

M

BIG SALES from this NEW BOTTLE

good looking

shaped for safety

natural grease solvent



powerful germ killer

kind to delicate skins

This first class selling line now has the additional appeal of the new safety shape bottle. The strong advertising campaign in the National and Provincial press and magazines with the National Poster campaign ensures big sales—stock up NOW with:—

DRUMMER PINE DISINFECTANT

Made by :

WM. EDGE & SONS LTD., BOLTON

A343

'SURCO'

RELIABLE

ELASTIC HOSIERY

(SEAMED and SEAMLESS)

SURGICAL BELTS TRUSSES & SUNDRIES

are backed by sound experience of over

50 YEARS

... if it's SURGICAL SUNDRIES .. it's a safe rule to send your enquiries first to :—

SURGICAL HOSIERY Cº L

Russell St. NOTTINGHA

Phone: 75903 **Grams: SURGIC NOTTINGHA**

Velvet

ANNOUNCE THE NEW RETAIL PRICES FOR THEIR TOILET ROLLS

AS FROM JULY 1st . . .

The finest range of toilet rolls NOW at the keenest prices!

VELVEX fully wrapped sulphite toilet rolls **1/2**

VELVEX interleaved toilet tissue **1/-**

VELVET two-ply tissue rolls **1/3**

HERMES sulphite toilet rolls **9d**

PRESTO sulphite toilet rolls **7d**

ALPEX fine crepe toilet rolls **8d**

CHAMPION crepe toilet rolls **6d**

QUALITY AND WEIGHT UNCHANGED

VELVET CREPE PAPER COMPANY LIMITED

The Premier Producers of Paper Tissues

ALPERTON MILLS, WOODSIDE END, ALPERTON, MIDDX.



JEYES' TOILET PAPER in the Interfolded Flat Packs remains the most hygienic and economical way of installing this household necessity. The famous Jeyes' holders are again available. For those who prefer rolls, Jeyes' Toilet Paper is now obtainable in that form—same quality and outstanding value.

* **Amended Trade Price as from 1st July, 1952**

	TRADE PRICE	RETAIL PRICE
Jeyes' Flat packs	157s. 0d. per gross	1s. 5d. each
Jeyes' Rolls	150s. 0d. per gross	1s. 4d. each
White earthenware holder (complete with 2 packets)	* 7s. 11d. each plus * 1s. 11d. P.Tax	12s. 6d. inc. P.Tax
Black holder in polished aluminium	4s. 5d. each plus 1s. 7d. P.Tax	7s. 11d. inc. P.Tax

...and both Big Profit-Makers!

You also get the following additional margins on composite orders including any or all of our popular products — Jeyes' Fluid, Jeypine, Toilet Paper, Toilet Soaps, etc.

An extra 2½% discount on a £3.0.0. ord
5% ,, ,, ,, £6.0.0. ,,
10% ,, ,, ,, £12.0.0. ,,
Carriage paid on £3.0.0. order and over.
Terms, net monthly accou

UP TO 32½% PROFIT ON JEYES' PRODUCT

JEYES' · MILLBROOK · MANOR ROAD · CHIGWELL · ESSE



Empty Stergene Bottles

Push Profits Up!

Every empty Stergene bottle you collect qualifies for the special Handling Allowance recently introduced. Each empty Stergene bottle, therefore, can mean *extra* profit per bottle sold. Please ask your customers to return an empty Stergene bottle whenever they buy a new one—make the most of the Stergene bottle bonus.

AT YOUR SERVICE



Domestos Ltd. service ensures regular delivery of Domestos and regular collection of all empty bottles.

Stergene
SCIENCE IN CLEANSING

A PRODUCT OF DOMESTOS LIMITED, NEWCASTLE UPON TYNE, 6.



"Do you favour Colloidal Silica, Sir?"

Indeed you do, whether you realise it or not. This is the chemical synonym for SYTON, the Monsanto Registered Trade Mark for a textile spinning aid which increases yarn and cloth strength.
Supplying chemicals to the textile industry is only one of the many ways that Monsanto serves industry . . .

BASIC CHEMICALS FOR PHARMACEUTICALS

Monsanto is responsible for many vitally important contributions to industry These include the development of basic chemicals on which the pharmaceutic industry can rely completely.

Monsanto is the largest producer of acetyl salicylic acid and possesses yea of experience in the manufacture of this chemical. Precise, unvarying standar mean that Monsanto's aspirin is of the highest quality, consistent and reliab Tabletters buy Monsanto aspirin because they know that its quality is w within the exacting standard of the British Pharmacopœia.

As well as powder and crystal forms of acetyl salicylic acid B.P., Monsan supply aspirin in granular form ready for direct tabletting—known by t Registered Trade Mark of ASPIRGRAN.

Other Monsanto pharmaceutical products include:—

PHENOL B.P.

SALICYLIC ACID B.P.

SALICYLIC ACID
(technical)

SALICYLAMIDE

METHYL SALICYLATE B.P.

SODIUM SALICYLATE B.P.

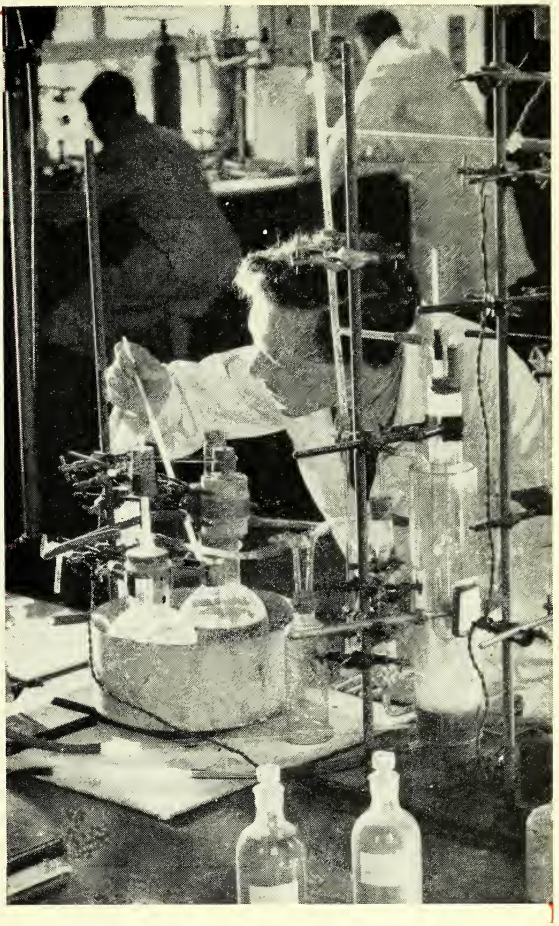
BENZOIC ACID B.P.

SODIUM BENZOATE B.P

PHENACETIN B.P.

—and a range of germicides.

The General Chemicals Department of Monsanto Chemicals Limited will be pleased to give you further information.



Consistently high quality of all products is maintained by constant checking at Monsanto's laboratories.

MONSANTO
CHEMICALS — PLASTICS

MONSANTO CHEMICALS LIMITED,
Allington House, Allington Street, London, S.W.1

In association with: Monsanto Chemical Company, St. Louis, U.S.A.
Monsanto Canada Ltd., Montreal
Monsanto Chemicals (Australia) Ltd., Melbourne
Monsanto Chemicals of India Ltd., Bombay.

Representatives in the world's principal cities.

How to order better Closures . . .



4 POINTS TO REMEMBER!

1. Give the fullest information with your enquiry, a sample of the container or blue print.
2. Give details of the packing process and product.
3. State whether a plastic or metal closure is required and give details of any particular style or description.
4. Allow plenty of time for delivery.



UGB
BOTTLES AND CLOSURES
The Perfect Pair

UNITED GLASS BOTTLE MANUFACTURERS LTD

8 LEICESTER ST., W.C.2 · *Phone:* GERRARD 8611 (18 lines) *Grams:* UNGLABOMAN, LESQUARE, LONDO



"Sumer is icumen in....."*

. . and with the summer months comes an increased
nand for suitable preparations to alleviate the painful
cts of insect bites, stings and minor burns.
ommend an **M&B** Antihistaminic Cream.
nthisan ' and ' Phenergan ' Creams are exempt from
provisions of the Pharmacy and Poisons Act and Rules
may, therefore, be sold without prescription.

Supplies:

'ANTHISAN' CREAM
trade mark *brand*
Mepyramine Maleate

	List price s. d.
Collapsible 1 oz. tubes	3 0
16 oz. jars.....	30 0

'PHENERGAN' CREAM
trade mark *brand*
Promethazine

Collapsible 1 oz. tubes	3 9
16 oz. jars.....	38 6

Prices subject to customary discount and exempt from Purchase Tax.

manufactured by **MAY & BAKER LTD**

CKOO SONG. ANON. C.1250 MA715

distributors

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD · DAGENHAM



...THE MAN WHO WOULDN BELIEVE A THING

Nice sort of chap, this customer of mi but someone must have sold him a rattle in his cradle.

He 'knew' Corvette wasn't any go I told him I'd tried it myself and like —that other customers were enthusia about its quality. He knew that was sales talk. He'd heard it all before..

Try it, I told him a bit stiffly. give him his due—he did. Back he c in a few days whistling a vastly diffe tune. Corvette was good... refreshi good... better than anything he'd t before. He took off his hat to Go men's division. From then on, he he'd buy the stuff. And oddly eno *I believe him.*

There's *more* profit in *Corvette*

rvette is an exceptionally good profit-making line for the emist. The shaving bowl earns you a profit of 1/6d, the refill -; and all other products in the range yield not less than 10d.

AVING STICK 3/- · SHAVING BOWL 5/6 · LATHER SHAVING CREAM 3/- · BRUSHLESS AVING CREAM 3/- · HAIR CREAM 3/6 · BRILLIANTINE 4/- · SOLID BRILLIANTINE 3/6
TALCUM POWDER 4/6 · AFTER SHAVE LOTION 4/-





Corvette

a new range of matched toilet preparations by Goya (MEN'S DIVISIO

161 NEW BOND STREET LONDON W1

Our well-known range of



FACE SQUARES

is now obtainable in

WHITE, COLOURED,

JACQUARD, and also CHENILLE BORDERED

as well as our

FAMOUS BARBERS' TOWEL

UNITED COTTON MILLS LTD.

71 MOSLEY STREET, MANCHESTER, 2

GROVELAND HOUSE, BOW LANE LONDON, E.C.4

We invite your enquiries and orders for
DRUGS, GALENICALS,
TABLETS, OINTMENTS,
SULPHA DRUGS,
THERMOMETERS,
HYPODERMIC NEEDLES,
SURGICAL PLASTERS,
SURGICAL DRESSINGS,
SUN GLASSES,
FACE FLANNELS,
CHEMISTS' SUNDRIES
at competitive prices

BIOREX
LABORATORIES LTD.
WHOLESALE AND MANUFACTURING CHEMISTS
51 EXMOUTH STREET, LONDON, E.C.1
Telephone: TERminus 9494 and 1431

Post orders executed promptly
Daily delivery service in the Greater London Area

Keen buyers

buy Kay's Linseed Compound in 50/- lots and use the eye-catching showcard to make a striking display

KAY'S BRAND LINSEED COMPOUND

also Kay's Compound Pastil le

Brook, Parker & Co. Ltd.

Offer you the finest Pharmaceutical Preparations, at Competitive Prices.

We shall esteem your enquiries.

Ashfield, Horton Road,
BRADFORD.
Telephone Bradford 28237/9.

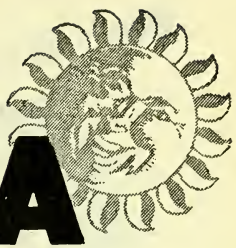
"When I sell a bottle of . . .
MIRACLE MIXTURE
I make a friend"

Thus writes a Chemist who has a big Trade with Dog Owners

There is no medicine in this Country which has saved the lives of so many poorly dogs. There is no more elegant preparation. None which gives such certain and speedy relief and none which shows you a better return for your sales in good wishes and financial benefit.

Get in touch now with :—
THE HATCHWELL CO. LTD
BYRON STREET, PRESTON, LANCS
Telephone: Preston 5118

EW DISPLAY MATERIAL
nd a GENEROUS BONUS
for NURONA



or quick and ainless Tanning—

URONA prevents painful sunburn while encouraging a quick *atural* tan. The Liquid (Sun Tan) also very popular as a substitute or hosiery in all seasons.

he Sun Bronze Cream is a delopment of the Sun Tan Cream, ith a vanishing cream base excelnt as a make-up foundation.



SUNTAN CREAM IN 4oz. & 8oz. SIZES

SUNBRONZE CREAM



The tube has proved extremely popular because of its handiness for pocket or handbag.

PRICES

Sun Tan Cream : (Liquid)	13/6 and 21/- per doz., plus 100% P. Tax. Retail at 2/9 and 4/6 per bottle.
Sun Bronze Cream: (Standard Tube)	13/6 per doz., plus 100% P. Tax. Retail 2/9 per tube.

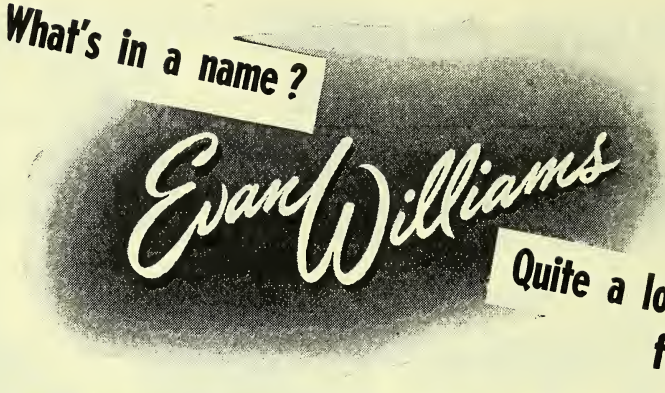
ATTRACTIVE NEW SHOWCARD for 1952

BONUS OFFER

Assorted orders for 3 doz. or more qualify for Showcard and Bonus of one free bottle or tube in each dozen—i.e., 36 bottles or tubes charged as 33.

Bonus parcels should be ordered direct, but may be invoiced through your usual wholesaler.

James Woolley, Sons & Co. Ltd., Victoria Bridge, Manchester, 3



The reputation behind this name guarantees a range of consistently selling lines which have the confidence of your customers and ensure a good margin of profit for you. ***Show them and you'll sell them***

SHAMPOOS · TONING PACKS · BRILLANTINES · WAVE SE

EVAN WILLIAMS CO. LTD., *Sales Dept.* **AINTREE ROAD, PERIVALE, MIDDX.**

Have you got your copy of

THE CHEMIST'S DICTIONARY OF SYNONYMS?

★

This book incorporates ROUSE'S SYNONYMS and contains over 7,000 synonymous terms. It is a most useful book of reference.

★

5/4 *post free*

THE CHEMIST & DRUGGIST

28 ESSEX STREET · STRAND · LONDON · W.C.2

TABNET

BRAND

DIHYDROXY ALUMINIUM AMINOACETATE



In the Medical Management of Gastro-Duodenal Ulceration

TABNET incorporate the new buffering agent, dihydroxy aluminium aminoacetate, which exerts a rapid and prolonged control in conditions of gastric hyperacidity.

Formula : Each tablet contains :—
Dihydroxy aluminium aminoacetate 250 mgms.
Glycine .. .. 30 mgms

Full page advertisements will appear in leading Medical Journals.

BNET
be prescribed
Form E.C.10

General Practitioners in your area will be detailed by our medical representatives and will also be separately advised through the post.

TABNET are available in :—

Bottles of 100 ... 7/-d. plus P.T.
Bottles of 1,000 ... 62/-d. plus P.T.

CALMIC LIMITED

LMIC LIMITED · MANUFACTURING CHEMISTS · CREWE · TEL. 3251-5



The Silky Soft Absorbent Tissue that is preferred

Vanity

HANKIE TISSUES

RETAILS FROM 1/6d.

Tissues have come to stay—it's just case of selling the BEST to make an keep customers. VANITY are pro duced by THE PAPER SPECIALISTS — packed attractively an come to you in display cartons worth of your windows and counters.

POCKET PACK for Travel, School, et (24 large size White Tissues) 4d.

BOUDOIR CARTONS (100 in White assorted Pastel colours) or Cellophane Wrapp 100 and 180; assorted shades if required.

FREEDER BROTHERS PAPER MILL
BRIMSDOWN, ENFIELD, MIDDLESEX
Telephone: Howard 1847 (3 lines)
Telegrams: Sylkocrepe, Enfield, Middlesex

FENOLIN P.A.T.A. **FLUID**

for WHOOPING COUGH
for use with ELDON VAPORISERS

HALL FORSTER & CO. LTD.
NEWCASTLE UPON TYNE

RESUFLIN IN BOTTLES OF 18, 36, 72 & 144 TABLETS

("Re-suf-lin")
for ASTHMA, BRONCHITIS, EMPHYSEMA
Please order through your Wholesaler
Resuflin Ltd., 7 Pall Mall, Manchester 2

NAILONG

THE VITAMISED NAIL TONIC, PROMOTES GROWTH, STRENGTHENS, PREVENTS BREAKING, SPLITTING AND UNDUE DRYNESS
Order from YOUR usual Wholesaler or direct from
ANNE SCOTT PREPARATIONS
158 ALCESTER ROAD, BIRMINGHAM, 13

Buckley-Bowker Tablet Co. Ltd.

29 PARKFIELD STREET · LONDON · N·1
Telephone: CANonbury 3401

invite enquiries for the **PRODUCTION** of

Special formula tablets

any size up to 1½", bulk or packed

highest standard GUARANTEED



This new advertising campaign is spreading the SPA story nation-wide. Your customers are learning how good teeth call for good care—and good care calls for a SPA SPEARHEAD. It's up to you to be ready—make sure of your SPA stocks today.

ORDER NOW

Your public will want to see the other SPA lines too — hair, nail and clothes brushes of all kinds. Put them in your window or on your counter — their variety of translucent colours makes an eye-catching display!

Illustrated lists showing the full SPA range sent on request.

SPA BRUSHES LTD., Chesham, Bucks.

Bigger For Sales



Three Good Selling Lines

Attractively packed in 3 oz. Ovals

'ASTRINGEX' WITCHAZEL LOTION
For Sun-burn, Eye lotions, etc.
Price **10/3** doz. plus 33⅓% P. Tax

'CALOLAC' SUNBURN LOTION
A soothing antiseptic application for sore and inflamed skin
Price **8/-** doz. plus 33⅓% P. Tax

'PROTECTOL' SUN-TAN OIL
Induces natural tan
Price **9/-** doz. plus 100% P. Tax

ROBERT Blackie LIMITED

POMEROY STREET, LONDON, S.E.14
Phone: NEW CROSS 1122/3/4 (Private Branch Exchange)

CRODA GOOLE

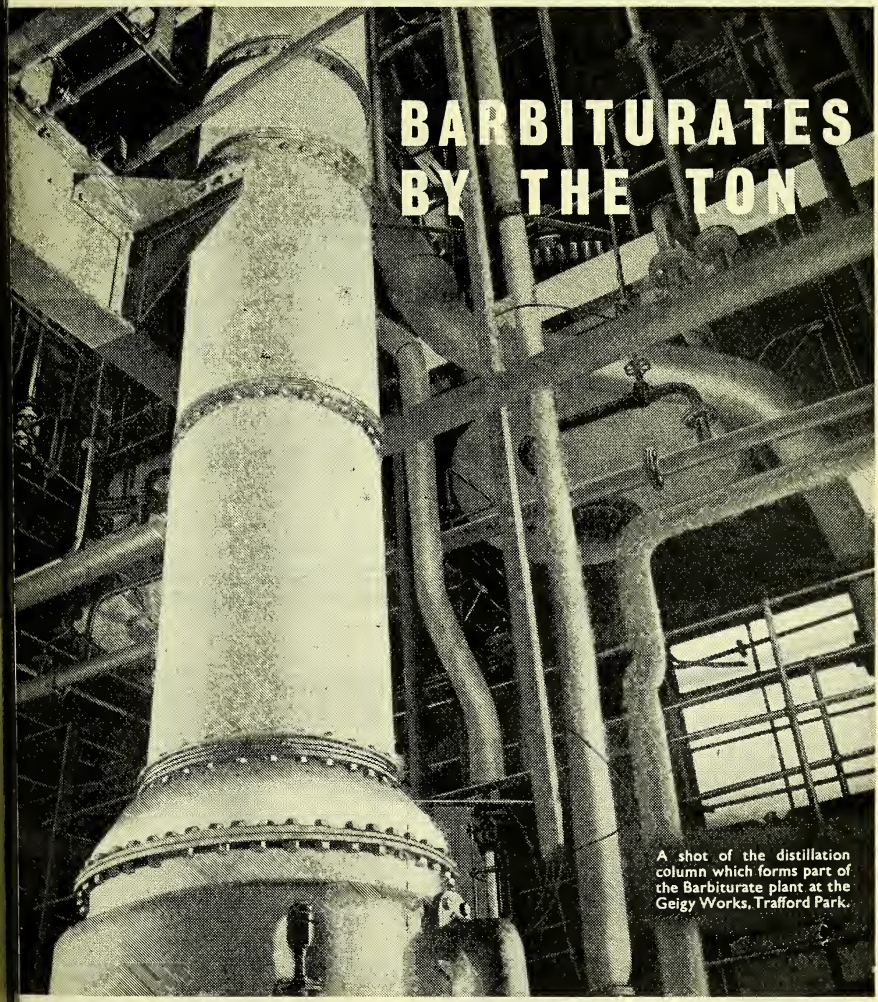
"CITHROL"
BRAND

POLYETHYLENE GLYCOL STEARATES

Newer surface-active agents for the production of cosmetics, cleaners, detergents, insecticides, suppositories, emulsifiers, textile aids, dispersing agents, fat liquors, leather degreasing, solvent emulsifiers, thickeners, paper softening.

CRODA LIMITED

Administrative Offices : **CRODA HOUSE · SNAITH · GOOLE · YORKS**
Telephone · **SNAITH 77** (three lines) ALSO AT LONDON · MANCHESTER · BRADFORD



Intensive research is ever expanding the Geigy range of Barbiturates.
The growing demand is ever increasing the scale of their production.

Your enquiries are invited for:—

NOBARBITONE B.P. · PHENOBARBITONE SODIUM B.P. · BARBITONE B.P. · BARBITONE SODIUM B.P.
BARBITONE B.P.C. · AMYLOBARBITONE B.P.C. · CYCLOBARBITONE B.P.C.
LOBARBITONE CALCIUM · HEXOBARBITONE B.P. · METHYLPHENOBARBITONE B.P.

Geigy

PHARMACEUTICAL LABORATORIES GEIGY LTD.

Rhodes, Middleton, MANCHESTER

F.C.14

HEWLETT'S ANTISEPTIC CREAM

THE ALL-PURPOSE CREAM WITH A USE IN EVERY HOUSEHOLD, AN
SPECIALLY INDICATED FOR

ABRASIONS
CHILBLAINS
NAPKIN RASH
CHAPPED HANDS

COST **18/-** DOZ. + P. TAX 6/- RETAIL **2/3** + P. TAX 6d

BONUS TERMS
13 to the dozen on orders of 3 dozen, direct or through your wholesaler

These prices apply in the United Kingdom only

1lb. Jars and 2½lb. and 7lb. Tins are also available for dispensing

C. J. HEWLETT & SON LTD.

MANUFACTURING CHEMISTS
35-43, CHARLOTTE ROAD, LONDON, E.C.2
And at 216, ORR STREET, GLASGOW, S.E.

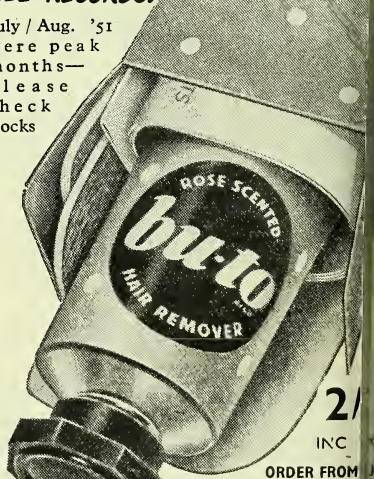
GALENICALS, TABLETS, PACKED GOODS and all supplies for Health Service and Counter Trade . . .
We invite your enquiries



E. H. BUTLER & SON LTD

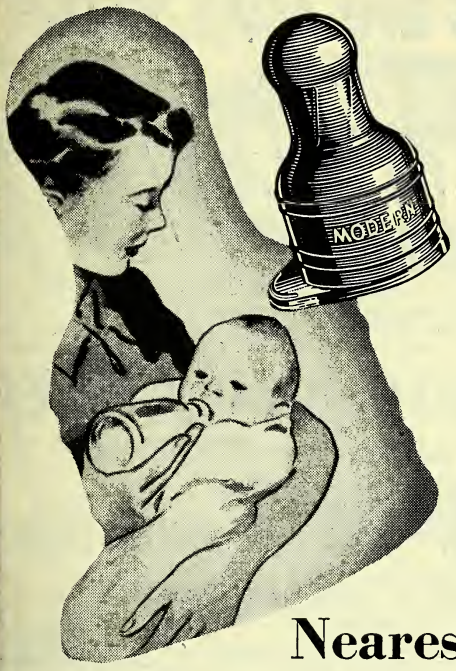
Manufacturing Chemists
THORNTON LANE & HUMBERSTONE GATE
LEICESTER *Telephone 5671*

BREAKING ALL RECORDS!
July / Aug. '51 were peak months—please check stocks



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INC
ORDER FROM
WHOLESA
12 - DOZ. PL

BIOMETICA LTD. Boreham Wood,



Nearest to Natural feeding

The 'Modern' Teat, recommended and used by Doctors, Nursing Homes and Hospitals throughout the country, conforms most nearly to natural feeding. It makes baby 'work' naturally for his food. Ball top, internal ribs and buffer shoulder help to stop the simple causes of wind and indigestion. 'Modern' Teats withstand constant boiling and outlast many of the old limp types of teat that so easily collapse and cause trouble.

For quieter nights and a happier baby, post coupon below for "*Advice on Modern Bottle Feeding*," a booklet to help you overcome the problems of bottle feeding. Meanwhile, get a 'Modern' Teat for baby's next feed.

The "MODERN" Anti-Colic TEAT

7½D From all chemists
In 1 or 3 hole perforations



THE MODERN FEEDER

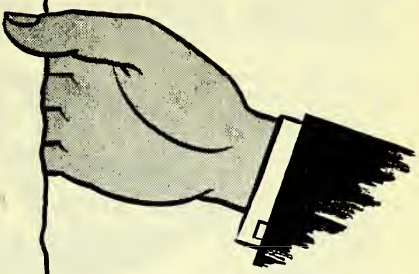
This new 9-oz. single ended feeder in toughened, heat-resisting glass is almost unbreakable. In separate carton with 'MODERN' Teat and hygienic rubber storage cap, price 2/6 complete. Ask your chemist today.

FREE *Cannon Rubber Manufacturers Ltd. (Dept. RT6) Cannon Works Ashley Road, Tottenham, N.17 Please send a free copy of 'Advice on Modern Bottle Feeding.'*

Name.....
Please print in BLOCK letters

Address.....

.....



PRESS URGENT

4,500,000 readers of the DAILY MIRROR will see this 10″ x 6″ Advertising on AUGUST 15

"Modern"-minded mothers will be coming into your shop when this big, influential advertisement appears. Link up with this latest shot in the CANNON campaign, check your stocks of MODERN TEATS and see they are well displayed throughout August.



CANNON RUBBER MANUFACTURERS LTD
(Dept. CD3) Cannon Works
Ashley Road, Tottenham, N17

Some displays are PASSIVE



HERE'S ONE THAT'S ACTIVE!



Are you using the new handy-to-use 'ASPRO' Silent Salesman? If not, our representative will be pleased to fix one for you when next he calls. It is an ACTIVE display in the sense that it is not a mere reminder but actually creates sales. Placed prominently at eye level it catches the attention of every customer.

KEEP IT FILLED-IT MAKES SALES!

Have you noticed the NEW STYLE

'ASPRO' ADVERTISING?

—THE PUBLIC HAVE!

PATA

Made by ASPRO LIMITED, Slough, Bucks

ASPRO



For Bulk Supplies insist on

BEAR Brand HONEY

Available in 7-lb. and 56-lb. tins and in barrels; also supplied in ½-lb. and 1-lb. jars.

The cream of the world's honey crops



L. Garvin & Co. Ltd. Isleworth Middx. Tel: HOUnslow 3483

BIGGER SALE

From Old-established Baby Remed

OUR new National Publicity has special appeal to mothers, reaching at least 20 million of them, through Women's Magazines and the Daily and Weekly Press. Be ready to meet the large demand by building up your stocks of Nurse Harvey's Mixture now. It's a best seller! Display material is available on request.



NURSE HARVEY'S BABY POWDER (with olive oil) is rapidly gaining popu

Be sure to include a supply in your next order.

O. SCRUTON & Co., LTD. Barker Lane, Y

THEY ALL BUY ...

Flexoplast BRAND Regd

FIRST-AID DRESSINGS FLEXIBLE AND WATERPROOF



For Cuts
Small Wounds
Burns · Abrasions
Bruises · Sore Heels

Obtainable from all wholesalers.

T.F 139

A PRODUCT OF EDWARD TAYLOR LTD · MONTON · LANCS

It really has caught on!

The new line in the new, unique pack — shake it — and watch its fascinating Silken Swirl!



Every care was taken in *advance* to make this a winning line. Product, pack and advertising were planned together—to ensure that a good product was strikingly presented and backed with the strongest possible selling effort. That policy is paying — big sales are being made all over the country and the selling pressure is being kept up.

11,000,000 women are reading about TRESS regularly in the biggest circulation Women's journals. Have you ordered from your wholesaler yet ?

TRADE PRICES

Sells at 2/11d. per bottle, giving many applications.

Your cost: 14/3d. per dozen plus 100% purchase tax.

Your profit: 6/6d. per dozen

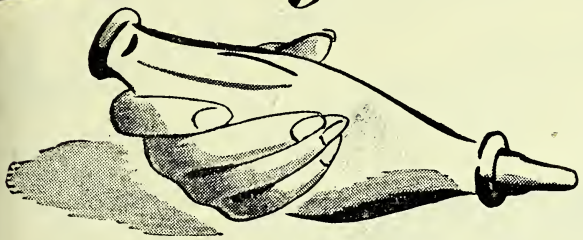


TRESS

SETS, CURLS, CONDITIONS the hair

Marketed by: GOLDEN LIMITED, 2/4 DEAN STREET, LONDON, W.1. *Tel: GERrard 4*

Bottle-fed babies-

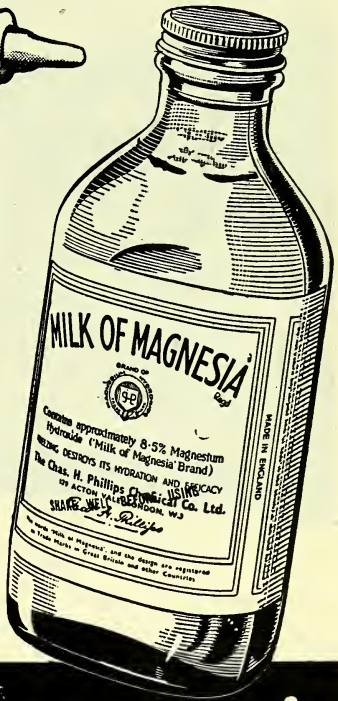


THE Pharmacist's *advice*

Confronted, as he often is with a request for advice upon digestive disturbance when baby is bottle-fed, the Pharmacist may confidently recommend the use of * ' Milk of Magnesia '.

This antacid laxative checks the formation of indigestible protein curds and enables digestion to proceed with comfort.

Thus the baby is contented, receives full nutritional value from each feed and thrives.



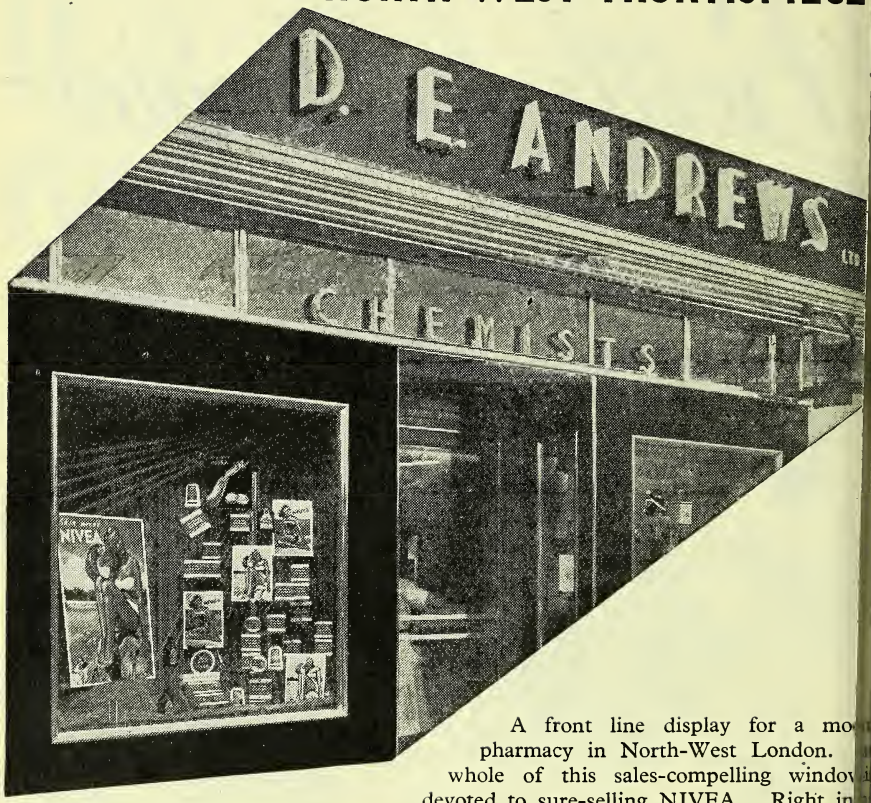
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THE CHAS. H. PHILLIPS CHEMICAL CO. LTD.,

179, Acton Vale, London, W.3.

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Display is your way . . .

TO SELL MORE NIVEA

. . . and earn the bonus

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NEWS OF THE WEEK

Works Fire.—A fire at the head office works of Crookes Laboratories, Ltd., k Royal, London, N.W.10, in the early rs of July 17, destroyed records and .

World Sulphur Allocations.—The sul- r committee of the International Mate- s Conference has announced the allo- on of 3,200,260 long tons of crude hur for the second half of 1952. The ted Kingdom is allocated 195,000 tons which 177,000 tons may be imported.

Purchase Tax on Funnels.—The Com- sioners of Customs and Excise draw at- tion to the fact that tin, aluminium, melled, stainless steel and plastic (ex- ding celluloid and ebonite) funnels, ch are of kinds suitable for domestic and do not exceed 6 in. in diameter chargeable with purchase tax at the of 33⅓ per cent.

Symposium on Fat Chemistry.—The th post-war annual meeting and sym- um of the *Deutsche Gesellschaft für wissenschaft* (D.G.F.), Münster, Ger- y, is being held in Düsseldorf, October 6-10. The D.G.F. was formed in 1935 as the successor to the Wizöff (an organisation responsible for the compilation and publication of standard methods for the fat industry). Further information may be obtained from Dr. L. Ivanovszky, F.R.I.C., M.I.Chem.E., Glenbrook, 68 Park Street, Bridgend, Glam.

"Biology" Theme at German Congress.—At the 97th Congress of the Society of German Naturalists and Physicians, Essen, September 21-24, the emphasis will be on biology, and the first day will be devoted to "Fifty Years of Genetics." A. Kühn, Tübingen, will lecture on the development of genetics since the rediscovery of Mendel's laws and present-day problems arising from them. E. Hadorn, Zurich, will deal with genetics and the physiology of growth, and A. Butenandt, Tübingen, with the chemistry and activity of genes. The second day will be devoted to "Research on the Viruses." G. Schramm, Tübingen, will deal with the chemistry of viruses, T. Caspersson, Stockholm, with viruses and cell metabolism, and W.

Kikuth, Düsseldorf, with the importance of virus research to medical practitioners.

Supplementary Payment on Account.—In a circular letter to Clerks of Executive Councils and of the Joint Pricing Committee for England, the Ministry of Health announces that a further supplementary payment on account is being made (with the normal one for August) to chemists and dispensing doctors. The payment to chemists is being calculated at the rate of 15 per cent. of the payments on account already made for January and February, and 5 per cent. of the payments on account already made for March, April and May. Where a contractor has been providing services for only part of the period, the payment is being calculated accordingly. Rota payments, payments in final settlement for previous months, special payments (e.g., for expensive drugs) and additional specially authorised advances to individual contractors are excluded from the calculation.

LOCAL NEWS

At Peterborough Show.—At an agricultural show held in Peterborough, Northants, July 15-17, Sturton & Sons, Ltd., chemists, Peterborough, had a stand at which they displayed agricultural and veterinary products.

Liverpool College Extensions. — A scheme for the provision of additional accommodation in the pharmaceutical department of the Liverpool City College of Technology has been prepared by the Liverpool Education Committee for submission (subject to the approval of the city finance committee) to the Ministry of Education for inclusion in the Ministry's 1953-54 building programme. The estimated cost is £10,000.

Founder's Visit Celebrated. — The Scholl Manufacturing Co., Ltd., London, held meetings of their staff in London on July 3 and 4 to welcome their founder, Dr. W. M. Scholl, on the occasion of his visit to Britain. Mr. F. J. Scholl (managing director of the company) made presentations during the meetings to seven members of the staff who had completed twenty-five years' service.

Extended and New Factories.—Distillers Co. (Biochemicals), Ltd., are making extensions at their penicillin factory, Speke, Liverpool. New buildings and equipment costing about £250,000, for the production of new drugs, are likely to be in production by the end of the year.—Robe Pharmaceutical Laboratories, L London, have opened a subsidiary fact at Bessborough Place, London, S.W.1.

Pharmacy Students' Camp. — Th are still a few vacancies for British ph maceutical students at the Internatio Pharmaceutical Students' Federat "camp and study tour" (see *C. &* May 24, p. 695), to take place in around London from August 17 to There are also vacancies for sepa events such as works visits and excursi Details from the general secretary, Bri Pharmaceutical Students' Association, Great Russell Street, London, W.C.1.

Staff Outings.—The directors of Ern Jackson & Co., Ltd., manufacturing ch ists, Crediton, entertained the staff their annual outing on June 28. Afte trip down the River Dart, luncheon taken at Dartmouth and visits to Paign Torquay and Teignmouth followe There was a record attendance at the nual outing of the directors and staff Wright, Layman & Umney, Ltd., June 14. The party in six coaches a train went to Clacton-on-Sea wh luncheon was taken.

Bottle Wastage.—The Lincoln Phar ceutical Committee is sending to the l Trades Council a copy of its report wastage of medicine bottles (a sub which they had raised with the Exe tive Council). The report listed steps wh chemists could take to prevent wast explained that some returned bottles to be discarded as unfit for further and suggested that the labelled reques patients to return bottles clean was satisfactory as they normally did not bottle brushes and hesitated to send a bottle with a stain on it.

East Metropolitan Branch.—At annual meeting of the East Metropol Branch of the Pharmaceutical Society Stratford, recently, Mr. S. Robi (secretary) stated that the main enter of the Branch in the past year had the launching of a regular three-mo bulletin, edited by Mr. T. W. Hill (a chairman). The publication had aro much interest inside and outside Branch. They had now 484 members student-associates. Messrs. J. Reed (c man) and S. Robinson were appoi Branch Representatives on the local mittee for the British Pharmaceutical ference, 1953.

ew Plastic Surgery Unit.—A new plastic ery unit at St. Charles Hospital, Lad- e Grove, London, W.10, was opened Sir Harold Gillies, C.B.E., F.R.C.S. g.), M.R.C.S., L.R.C.P., on July 16. the opening ceremony the chair was n by Mr. Ernest Hyatt, M.P.S. (chair- of Group 21 Hospital Management mittee), who welcomed guests. The rmaceutical profession was represented Messrs. B. J. Thomas (chairman, West ropolitan Branch of the Pharmaceuti- Society) and W. F. Wilkinson (secre- , London Pharmaceutical Committee). new unit consists of ten beds, eight present for male and two for female nts.

artford Hears About Australia.—At a ting of the Dartford Branch of the rmaceutical Society held in Dartford June 24, Mr. R. S. F. Greig (chief rmacist, Brisbane Hospitals Board; ident, Pharmaceutical Society of ensland; examiner in pharmacy; and ember of the Pharmacy Board of ensland) gave an address on "Phar- y in Australia." He said that there opportunities in Australia for British rmacists but that there was a housing lem. Since the 1939-45 war pharma- in the Australian Army were given minimum rank of lieutenant. There in Australia no drug stores, like those ritain.

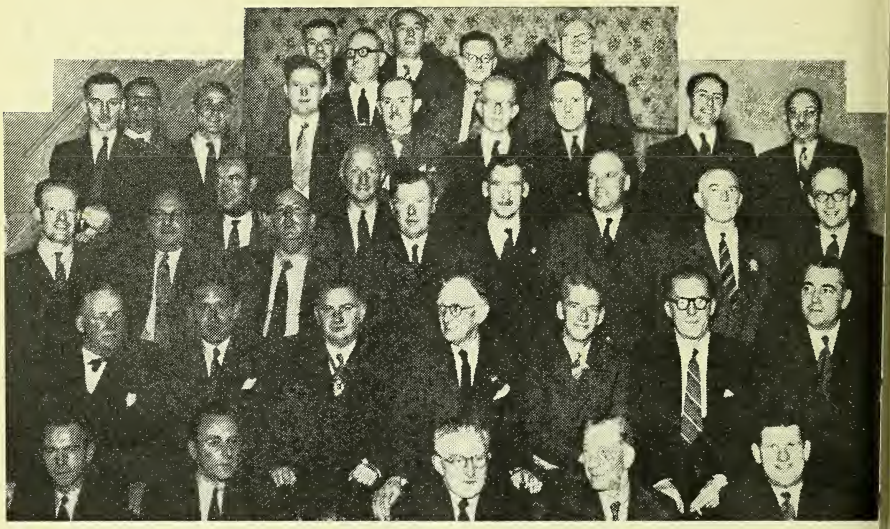
harmacists' Civil Defence Duties.— Wolverhampton chemists, half of n women, are to be trained for re- naissance patrols in the town's Civil nce organisation. They have been re- ted through the Pharmaceutical So- y and in the event of atomic, bacteri- ical or chemical warfare will be the rhead of the defences. On completion heir basic training they will be trained etermine intensity of atomic radiation detect and identify various war gases. y are being issued with special equip- t and will deal with radioactive sub- ces during training. Lieutenant-Col- J. C. McDonald, Wolverhampton's Defence officer, has stated that it tended that, in the event of war, the ists should work in teams of four operate — ahead of the rescue ser- —from mobile bases with which they keep in touch by "walkie-talkie" ratus.

SPORT

f.—London Chemists' Golfing Society, at Surrey golf club, Godalming, on July 6. Medal competition for silver rose bowl presented by Aspro, Ltd.; winner: W. N. Cockburn (7), 75 net. Other leading scores: A. M. Dinwoodie (20), 76; C. H. Maile (7), 78; R. H. Davies (12), 79. Ladies' medal competition: Mrs. W. E. Swanston; runner-up, Mrs. J. A. MacKenzie. Mixed foursome: Mrs. MacKenzie and Mr. W. S. Hutcheon; runners-up, Mrs. Hutcheon and Mr. J. A. MacKenzie. —At South Herts Golf Club, Totteridge, on July 17. Medal competition for Mentholatum prize: J. E. Blackwell (13), 69 net. Stableford competition for Eno prize: H. E. James (6), 36½. Other leading scores: Mentholatum prize: H. E. James (6), 71; H. M. Culmere (12), 73; T. T. Johnson (8), 73; H. R. Camish (13), 73; A. M. Dinwoodie (20), 73; R. Julliard (14), 75; W. A. C. Attwood (18), 75. Eno prize: J. E. Blackwell 36¾; A. M. Dinwoodie, 35; T. T. Johnson, 34; H. R. Camish, 34.

N.H.S. IN LONDON

At the July meeting of the London Pharmaceutical Committee it was recommended that an advisory circular should be issued concerning the packing of phenol ointment, sizes of syringes permissible on EC10 forms, the late submission of prescriptions, mist. ammon. chlor., and notes for claiming out-of-pocket expenses in respect of oxygen equipment. In comparison with the June 1951 figure of 1,445,719, there was a reduction in the number of prescriptions dispensed in June 1952 by approximately one-seventh, to 1,214,970. The Secretary said that many contractors had not sent in their June prescriptions by the end of the second week in July and it was agreed that the attention of all London contractors should be drawn to that fact. Many contractors, moreover, were not submitting claims for hiring oxygen therapy equipment in accordance with the Drug Tariff, and it was agreed to issue details of a scale of fees and the claiming procedure. The Secretary reported that, following a discussion with the Association of British Pharmaceutical Industry on the packing of pasta mag. sulph., B.P.C., the Association had decided on a 1-oz. tube as suitable. The committee decided to make representations to the Ministry of Health on other shortcomings in the Drug Tariff specifications. A resolution from the West London Branch of the National Pharmaceutical Union on the correct completion of EC10 forms was received, and it was agreed to discuss the matter with the Local Medical Committee. During August 1951, 1,297,945 prescriptions were dispensed by London chemists at a cost of £249,873.



AT THE IRISH MEDICAL EXHIBITORS' ASSOCIATION DINNER IN DUBLIN.—Exhibitor representativ from Britain. In the centre of the second row is Mr. Sylvester O'Farrell, P.C. (chairman of the Ass ciation), with Mr. J. P. Kissane (president, Pharmaceutical Society of Ireland) on his right and M G. C. O'Neill (president, Irish Drug Association) on his left. Next Mr. O'Neill is Mr. P. A. Brady, T.

IRISH NEWS

Examination Results.—Seventeen of fifty-nine candidates who sat for the July Licence examination of the Pharmaceutical Society of Ireland were successful. They were: Mary W. Farrelly (with Honours), Patrick V. Coleman, Michael S. Dargan, Helena Eastwick, Margaret Foley, Margaret M. M. Johnston, Timothy F. Kelly, Monica Lee, Nial McKnight, Frances McManus, Anne Moore, Kathleen Noonan, Florence A. O'Carroll, Peadar Ronaghan, Philip T. Ruddy, Anne B. B. Salmon and Thomas J. Toohey. Eight candidates entered for the Dispensing Chemist and Druggist examination; Jeremiah Walsh, was the only one successful.

Medical Exhibitors' Dinner. — The Irish Medical Exhibitors' Association held a dinner in Dublin recently in connection with the recent conference of the British and Irish Medical Associations (see *C. & D.*, July 19, p. 67), at which Mr. Sylvester O'Farrell (chairman of the association) presided, and the top-table guests included Messrs. J. P. Kissane (president, Pharmaceutical Society of Ireland), J. G. Coleman (registrar), G. C. O'Neill (president, Irish Drug Association), B. R. Smith (secretary, I.D.A.), and P. A. Brady, T.D. Proposing the toast "Our Guests," Mr. W. Mullen (senior representative f The British Drug Houses, Ltd., in Ir land) said they were honoured in havi with them that night not only the pre dents of the Pharmaceutical Society a the Irish Drug Association, and pha macy's able representative in the Dail (M Brady), but also many of the leadi people in pharmaceutical undertakings Britain. Mr. Kissane said the exhibiti staged by the Association was a "revel tion of the variety and high standard home-produced pharmaceuticals." Wh the pioneers of the pharmaceutical ind try set out twenty years ago to establi those industries in the Republic it was difficult and uphill task. Few anticipat then the remarkable progress that cou be made. Mr. O'Neill said that a visit the exhibition provided an opportun for retail pharmacists to keep abreast the latest developments. "The Ir Medical Exhibitors' Association" v proposed by Mr. Brady, who said that t firms that made up the Association high commercial and ethical standar Mr. C. Fielding (past-chairman of the sociation) said he was happy to see pres so many of his own and the Associatio friends from Britain.

TOPICAL REFLECTIONS

ealth Hazards in Industry

Dangers arising from handling toxic bstances in industrial processes are the bject of a further report to the council pharmacy and chemistry of the Ameri- n Medical Association, and I am glad at you have made editorial comment on (p. 81). On this occasion the topic is ks from gases and liquids applied rough vaporisers. Even now it cannot be aimed that the dangers incident to the e of these products have been listed ex- ustively, nor that analogous gases and uids now unknown or untried will not ve a vogue. It will be remembered that ring the war of 1939-45 British citizens re advised to shelter when toxic gases re being released experimentally in blic places. In factories and works there a serious risk that workpeople will be- me so familiar with the danger of in- ling air contaminated with poisonous nes as to grow careless about taking the ecautions known to them. A few weeks o I was reading that during the past ntury, in a works process involving the nipulation of chlorine, the men em- oyed became so accustomed to its pres- ce in the air that they worked with no ner protection than wet rags tied over ses and mouths. Deleterious consequen- would have depended on the degree concentration of the gas and the length exposure to it. But hardihood of this d can be carried too far. Industrialists d their staffs are not the only persons o need to treat these chemicals with pect. Private citizens in weak health y meet with serious accidents when ex- imenting with vaporisation in a house a garden.

ce Protection in France

Collateral evidence of much value on ce protection was given in an address the council of the Proprietary Articles ade Association by Dr. Aron (p. 77). As ur report shows, the French system ears to be watertight, and to be ccepted by the public as something ich could not be altered." The com- sory affixing of a price on each package the incidental advantage of rendering sultation of a price list by a salesman ecessary, as well as the primary ad- ntage of prohibiting cutting. Dr. Aron narked, in proof of the value of the tem, that it has lately been adopted in Tunisia. The adoption, in this or other countries, of the French method of selling proprietary articles would not be an entirely simple matter. When any attempt is made to transplant from country to country a set of enactments governing a subject of this kind, legislators may come up against a formidable volume of statute law which has to be studied before much else can be done. This lucid address has no doubt been filed for reference by the staff of the Association. It is the more timely because a certain amount of sniping at our system of fixed prices is still going on.

The New River

Your quotation on p. 79 from a London newspaper of 1759 brings to mind three names associated with "the New River at Islington." The first name is that of Sir Hugh Myddelton, whose persistence, with some backing from James the First, ensured this supply of water for London in 1613. During the second half of the eighteenth century, William Hawes, an apothecary well known for his criticisms of James's Powder and Wesley's "Primitive Physic," became an advocate for using every possible means to revive people apparently drowned. The New River probably supplied him with patients for his experiments, the more so as he was an inhabitant of Islington. A few years later than those experiments, a demonstration of absent-mindedness was given by George Dyer when visiting Charles Lamb, who then lived in Colebrooke Row, Islington, bordering on the same river. As I mentioned in these Reflections some time since, Dyer, on leaving Lamb's house one day in broad daylight, walked into the water. Lamb got him out and carried him into the house, where several people who had seen the immersion were profuse in advice. On the suggestion of someone unnamed, a local "doctor," a one-eyed man, was sent for. In "Amicus Redivivus" Lamb wrote: "His remedy—after a sufficient application of warm blankets, friction, etc., is a simple tumbler, or more, of the purest Cognac, with water, made as hot as the convalescent can bear it. Where he findeth, as in the case of my friend, a squeamish subject, he condescendeth to be the taster; and showeth, by his own example, the innocuous nature of the prescription."

Xrayser

NEW COMPANIES

WORKSOP CHEMICALS, LTD. (P.C.). — Capital £50. To carry on the business of distillers of solvents and other chemicals, etc. Cyril N. Norton and Ronald Beetham, directors. R.O.: Hartshead Chambers, Hartshead, Sheffield, 1.

PARAMOUNT (LABORATORIES), LTD. (P.C.).—Capital £100. To carry on the business of chemists, druggists, librarians, etc. Maurice Appleton, and Paul Glatter, directors. R.O.: 74A Regent Street, London, W.1.

STAMFORD HILL LABORATORIES, LTD. (P.C.).—Capital £100. To carry on the business of dealers in dental materials, manufacturing and retail chemists and druggists, etc. Cyril F. Hammond and Philip Zane, subscribers. R.O.: 79 Stamford Hill, London, N.16.

PRYOR & HOWARD, LTD. (P.C.).—Capital £5,000. To acquire the business of makers and wholesalers of surgical instruments carried on by Frank L. Pryor and Charles R. Howard, at Willow Lane, Mitcham and 49 Welbeck Street, London, W.1. R.O.: Willow Lane, Mitcham, Surrey.

BRONSON CHEMICALS, LTD. (P.C.).— Capital £100. To carry on the business of chemical engineers and manufacturers of and dealers in pharmaceutical and medicinal preparations, etc. John E. Johnson, and William J. W. Webster, subscribers. R.O.: Broad Street House, 54 Old Broad Street, London, E.C.2.

Company News

UNITED GLASS BOTTLE MANUFACTURERS, LTD.—Mr. R. W. J. Rowledge has been appointed assistant managing director.

GRIFFITHS HUGHES PROPRIETARIES, LTD. —The chairman's statement says that although group profits declined by 29 per cent. for the year ended March 31 (see *C. & D.*, July 5, p. 7), sales were only 1.18 per cent. down on the previous year. Prospects for the current year are satisfactory as costs of raw materials are falling, thus easing pressure on profits.

A. BOAKE, ROBERTS & CO., LTD.—Profit, before tax, for the year ended March 31 amounted to £571,129 (against £528,722). The directors point out that the figure includes an exceptional non-recurring item of £117,604 arising from a change in the basis of valuation of stock in trade. £365,000 is allocated to reserve (against £150,000) and a final dividend of 12½ per cent. (same) is recommended.

Voluntary Liquidations

GENABEN, LTD., 43 Regent Street, Loughborough, Leics. Liquidator: Mr. C. Collins, 6 Browning Road, Leics.

DIXON SMITH (CHEMISTS), SILLOTH, LTD., chemists and druggists (registered office) Prudential Chambers, Bank Street, Carlisle. Liquidator: Mr. G. A. Ferry (of the same address).

LEGAL REPORT

Claim and Counter-claim Withdrawn —On the fifth day of the hearing there was a withdrawal, in the Chancery Division, London, on July 18, of an action and counter-claim involving Newton Chambers & Co., Ltd., Thorncliffe, Sheffield, and Jeyes Sanitary Compounds Co., Ltd., Chigwell, Essex. Messrs. Newton Chambers, the plaintiffs, had claimed injunctions to restrain defendants from alleged infringements of three of the plaintiffs' trade marks, and from the alleged passing-off of their goods as those of the plaintiffs. Evidence in the case centred round a cross in labels used by both parties, both of whom were manufacturers of, among other products, pharmaceutical and disinfectant preparations. The defendants denied infringements and passing-off, and counter-claimed for a declaration that the plaintiffs' trade marks were wrongly registered; they alleged that the public might be misled because the cross was in the shape of a Geneva cross. The plaintiffs it was announced that, having heard the evidence of defendant's managing director, they now unreservedly withdrew their allegations, and did not now contend that defendants' labels were designed or adopted with the object of enabling them to be mistaken for, or confused with, the trade marks of the plaintiffs. They expressed regret for any distress their allegations might have caused. It was now agreed that the action and the counter-claim should be withdrawn. For defendants, the "handsome withdrawal" was acknowledged. While not admitting the right of the plaintiffs to do so upon them to do so, they would, in view of their long-established friendship with the plaintiffs, arrange to change their Japine labels so as not to include a white cross on a green ground.

MEANING OF "SUBJECT TO EXPORT LICENCE"

HE Court of Appeal, London, on July , allowed an appeal by James Clark rush Materials), Ltd., from an arbitra- n award made earlier by Mr. Justice llers in favour of Brauer & Co. (Great itain), Ltd.

By a contract in writing dated February , 1951, Messrs. Brauer sold to Messrs. ark a quantity of Bahia piassava at a ice c.i.f. London, shipment to be made m Salvador, Bahia, Brazil, during the nths of February to July 1951. The ntract was endorsed: "This contract is bject to a Brazilian export licence." On ne 20, 1951, the sellers informed the yers that, owing to the intervention of a ction of the Bank of Brazil, it was im- ssible for them to ship the contract ods on the basis of the contract price, the bank had specified that the piassava ust be shipped at minimum f.o.b. prices £180 or £135 a ton, which would ean an increase of £28 or £40 a ton, pending on the quality. Accordingly, e contract was never performed. The llers admitted that, if they had paid the inimum prices required by the Bank of azil, an export licence would have been anted, so that the goods could have en shipped on or about June 20, 1951. he buyers elected to go to arbitration der the contract and obtained an award their favour which was confirmed by e Board of Appeal of the Seed, Oil, ake and General Produce Association, bject to the decision of the Court. That ward was reversed by Mr. Justice Sellers the ground that the sellers were pro- cted by the clause in the contract "sub- ct to a Brazilian export licence," and the yers appealed.

For the buyers it was submitted that thing in the contract required that it ould be approved by the Brazilian thorities; it only required that an ex- rt licence should be obtained, and the llers could have obtained a licence with- tt any difficulty if they had been willing find the money. The fact that a con- act turned out to be a commercial disas- r was no excuse for not performing it. he true construction of the clause "sub- ct to export licence" was that a licence ust be obtained for the export of goods the quality and quantity specified in e contract; the clause had nothing to with price.

Counsel for the sellers submitted that e question was not whether the price required for a licence was reasonable or not; any increase whatever beyond the price fixed by the contract excused the sellers. The clause "subject to export licence" must have been inserted with the express intention of protecting the sellers if it should turn out to be impossible to obtain a licence at the contract price. The clause implied that the sellers would take all reasonable steps to obtain a licence; but it imposed a relative, not an absolute, duty on the sellers, and they were not bound to accept a burden which was onerous and unreasonable.

Giving judgment, Lord Justice Singleton said that the contract was in the ordinary printed form, with an additional clause added in type saying that the contract was subject to a Brazilian export licence; and on a true construction of that clause he thought it referred to a licence to ship goods of the quantity and quality required by the contract and had nothing to do with the price. The sellers had not proved that they could not obtain a licence; they had only proved that they had entered into an unprofitable contract, and that was no answer to the claim of the buyers. The appeal must be allowed and the award in favour of the buyers must be restored. Leave was given to appeal to the House of Lords.

BUSINESS CHANGES

MR. T. E. NORMAN, M.P.S., has opened a pharmacy at 25 Vernon Street, Ipswich, Suffolk.

THE telephone number of Thomas Marns, Ltd., 2 Caxton Street, London, S.W.1, has been changed to Abbey 5518.

MR. J. D. BLAKELEY, M.Sc., F.R.I.C., a specialist on asbestos, silicates and heat insulation, has joined Dr. M. A. Phillips and Associates, 14 Western Road, Romford, Essex.

Appointments

MR. EDWARD ATKINSON has been appointed general manager of Boileau & Boyd, Ltd., wholesale and manufacturing chemists, Dublin.

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19, have appointed Messrs. R. H. Daly, Ph.C., B.Pharm., acting manager; D. R. Morgan, M.P.S., acting deputy manager; and I. M. MacLean, B.A. (Oxon.), commercial manager of their pharmaceutical laboratories.

"SELF-SERVICE" UNDER THE PHARMACY ACT

In an action brought by the Pharmaceutical Society against Boots Cash Chemists (Southern), Ltd., to determine whether sales of drugs at a self-service shop of the company at Burnt Oak, Edgware, were effected "by or under the supervision of" a registered pharmacist as required by the Pharmacy and Poisons Act, 1933, the Lord Chief Justice gave judgment on July 16. Lord Goddard held that in the circumstances under consideration the sales were under the supervision of a pharmacist.

Mr. H. V. Lloyd-Jones, Q.C., and Mr. Thomas Dewar appeared for the Pharmaceutical Society; Mr. H. Glyn-Jones, Q.C., and Mr. Errington for Messrs. Boots.

The court had heard that the company carried on business comprising the retail sale of drugs from numerous sets of premises. The premises at Edgware comprised a single room adapted so that customers might serve themselves, and the business there was described as "Boots Self Service." On entry the customer collected a wire basket at a barrier and passed through to a room, one part of which was described as the "Chemist's Dept." where drugs, including proprietary medicines, were displayed in individual packages or containers with the price clearly marked. One section of the chemist's department was devoted to drugs that contained substances included in Part I of the Poisons List, though in such small quantities as to be harmless and not within the first schedule to the Poisons Rules, 1949. The customer, having selected from the shelves the article that he wished to buy and placed it in the wire basket, passed to one of two exits at which was stationed a cashier who scrutinised the articles selected by the customer, assessed the value, and accepted payment. The chemist's department was under the control of a registered pharmacist stationed near the poisons section, and in every case involving the sale of drug the pharmacist scrutinised that part of the transaction which took place at the cash desk and was authorised to prevent at that stage, if he thought fit, any customer from removing any drug from the premises.

Giving judgment, the Lord Chief Justice said that the question to be decided was whether a completed sale had taken place before the money was paid and the pharmacist was passed, or whether the sale was completed at that moment. Mr. Lloyd-Jones had submitted that the defendants had invited the public to come into the shop and help themselves to any of th articles, which were all priced, and there fore there was an offer by the defendan to sell the goods to any person coming in the shop who was willing to buy at th marked price. Mr. Glyn-Jones had co tended that there was nothing revolutio ary about the self-service method of tra ing and that it was no more than an e posure of goods such as was made by a shopkeepers. It was an established pri ciple that the mere exposure by a sho keeper of goods for sale did not amou to an offer to sell. His Lordship did n think that he ought to hold that there w a complete reversal of that princip merely because the sale was by means the self-service system, which amounted no more than that a customer could pi up an article and bring it to the sho keeper. The offer, in fact, was an offer buy, and it was for the shopkeeper to s whether he would sell or not when th customer brought the goods to him. Th contract was not complete until the cu tomer took the goods to the cashier a offered to buy. That was in accordan with the ordinary principles of comm sense and commerce, and to take the co trary view would involve curious cons quences. For instance, having once picke up an article, a customer would never b able to change his mind and put it bac The fact that a supervising pharmacist w near the place where the money was pa was some intimation that the shopkeep was not necessarily willing to conclude contract with anyone who might pick u goods. Messrs Boots were awarded costs.

N.H.S. STATISTICS

In England figures issued by the Joi Pricing Committee for England show th during March 1951, 18,806,355 prescri tions were dispensed under the Nation Health Service at a cost of £3,315,59 16,656,044 prescriptions at a cost £3,027,631, were dispensed in April 195

In Wales, prescriptions in 1950 totall 5,430,265 (value £849,057); in 195 6,312,959 (£1,118,503).

In Aberdeen and Kincardine for th year ended in March, expenditure on pha maceutical services was £247,227.

In Essex 502,007 prescriptions were di pensed in June (588,192 in 1951) and i May 678,415 (628,106).

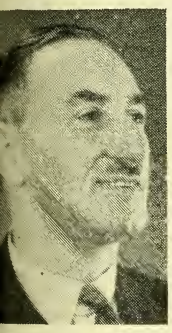
PERSONALITIES

IR. HARRY PORTER, M.P.S., who was ntly elected president of the Bolton Pharmaceutical Association, served his apprenticeship with Boots, Ltd., Nelson, Lancs, and qualified after study at Manchester University in 1923. Mr. Porter later set up in business on his own account at Rishton Lane, Bolton. He has two sons, the younger of whom is serving an apprenticeship in pharmacy.



Photo: on Evening News

IR. C. CONDY U'REN, M.P.S., who has n elected chairman of the Plymouth Branch, Pharmaceutical Society, reoccupies a position to which he was elected twenty years ago. He is the proprietor of the old-established dispensing business of Condy U'Ren & Son at 55 Coburg Street, Plymouth, and has four other branches in the city. He served his apprenticeship (when he was sec-ry of the junior section, Plymouth mists' Association) with his father, the Mr. W. Condy U'Ren and afterwards an assistant with the late Mr. Brough-Sharman at Northwood, Middlesex. He lified from the London School of Phar-y in 1915 and joined the Royal Army dical Corps the same year, serving as a eant dispenser in India until 1919. On obilisation he rejoined his father in ness and later became a partner, and his father's death in 1940 the sole pro-tor. On resuming business after his ice in the Army, he was elected a nber of the committee of the local ciation and was for several years sec-ry of the social committee. In 1923 he elected secretary of the Plymouth rmaceutical Committee (under the 1912 Act), a position he held for twenty years. On the inception of the National Health Service he was elected chairman of the local Pharmaceutical Committee, which office he still holds. Last year he served as chairman of the local National Pharmaceutical Union Branch. He is one of the two pharmacist representatives on the Plymouth Executive Council, a position to which he was appointed when the Executive Councils came into being.



MR. F. M. MEDHURST, M.B.E. (managing director, T. J. Smith & Nephew, Ltd.), sailed for South Africa recently. His visit will coincide with the twenty-first birthday celebrations of Smith & Nephew (Pty.), Ltd., Durban, of which also he is a director.



Mr. F. M. Medhurst, M.B.E.

MR. T. G. FERNLEY C. WALLIS, M.P.S., has been elected vice-president of the Plymouth Rotary Club.

MISS EDITH M. JENKINS, M.P.S., Dundee (the first woman to be elected to the Scottish Executive of the Pharmaceutical Society), is the subject of an article in a recent issue of the "Dundee Evening Telegraph."

MR. REGINALD CHARLES LEWIS GOULD, M.P.S., the recently elected chairman of the Jersey Branch of the Pharmaceutical Society, took up residence in Jersey in 1934. During the German occupation of the island he was the only distributor of chemists' wares in Jersey. He has served as secretary of the Branch. He qualified in 1927 from the Bath College of Pharmacy, had retail experience in Guernsey and on the mainland before going to Jersey.



BIRTH

JARVIE. — At 59 Wellwood Terrace, Kirkintilloch, Glasgow, Lanarks, on July 13, to the wife of Alexander Jarvie, M.P.S., a daughter.

DEATHS

MCARTHUR.—On July 11, Mr. Archibald Paul McArthur, 9 Upper Grosvenor Road, Tunbridge Wells, Kent, aged forty-eight. Mr. McArthur qualified as a chemist and druggist in 1925.

MCMULLAN.—On July 15, Mr. Robert McMullan, M.P.S.N.I., 11 Locksley Park, Finaghy, Belfast. Mr. McMullan qualified as a pharmaceutical chemist in 1926. He was one of the first chemists to become a member of the Pharmaceutical Society of Northern Ireland. Mr. McMullan is survived by his widow and a son.

PEARCE.—At Reading, suddenly, on July 20, Mr. Ernest Charles Pearce, a member of council and past-president of the Proprietary Articles Trade Association, chairman of the Grocery Proprietary Articles Council, and a member of the Fair Prices Defence Committee. Mr. Pearce was a native of and resided at Reading. He commenced his business career in an old-established solicitor's office in that town and remained there for seven years. In 1916 he joined Horlicks, Ltd., as assistant to the office manager of the company, and at the time of his death was the company's personnel manager. Mr. Pearce had represented Messrs. Horlicks on the council of the P.A.T.A. since 1934, had served as vice-president and chairman of the manufacturers' section, and was president of the association in 1950. He was a sincere and active supporter of price maintenance, and in the P.A.T.A., G.P.A.C., and Fair Prices Defence Committee, where his wisdom and judgment were fully appreciated, did all that he could to defend and promote that system.



TURNBULL.—On July 9, Mr. Henry John Turnbull, M.P.S., 49 Roker Avenue, Sunderland, co. Durham, aged eighty-five.

WILLS

MR. I. BOWEN, M.P.S., 37 Golborne Road, London, W.10, left £34,266 (£32,131 net).

MR. C. ROBERTSON, M.P.S., 111 Market Street, St. Andrews, left £15,041.

MR. C. C. SMITH, M.P.S., 3 Brading Road, Leicester, left £2,932 (£2,868 net).

MR. T. S. GREEN, M.P.S., 59 Long Hill Rise, Hucknall, Notts, left £3,359 (£3,266 net).

MR. R. B. SAWYER, M.P.S., 13 Davenport Avenue, Hessle, Yorks, formerly of Hull and Scarborough, left £12,294 (£12,257 net).

MR. T. M. LLOYD, M.P.S., 203 Edge Lane, Liverpool, and 101 Holt Road, Liverpool, left £3,244 (£3,025 net).

MR. R. C. TWEEN, M.P.S., 172 Finchampstead Road, Wokingham, Berks, and Falconer Road, Bushey, Herts, left £15,992 (£15,820 net).

MR. OTHO FREDERICK CHARLES BROMFIELD, F.C.S., 48 Danson Crescent, Welling, Kent (formerly Editor of THE CHEMIST AND DRUGGIST), left £4,610 (£4,524 net).

C. & D. RETAIL AND DISPENSING PRICE LIST

THE general downward tendency in price continues, notably in zinc salts, barbiturate and procaine, but the drug index has fallen only slightly because of a rise in price of opiates and a small uniform increase in syrups and tinctures. The drug index figure for June is 198.

Cost.		Item.	4 oz.	1 oz.	1 dr.
d.	*per*		*s. d.*	*s. d.*	*s. d.*
110	4 oz.	Agar pulvis	—	4 0	0
61	oz.	Barbitonum sodium ℞ only	—	8 10	1
53	oz.	Benzocaina. P.1.(8) ...	—	7 9	1
52	lb.	Calamina, B.P. ...	1 11	0 7	—
133	dr.	Codeinæ phosphas D.D.	per	gr.	0
150	dr.	Codeinæ sulphas D.D.	per	gr.	0
84	lb.	Collodium acetonum B.P.C.	2 5	0 8	0
842	dr.	Emetinæ hydrochlor S.1. (4)	per	gr.	2
141	4 oz.	Ext. senegæ liquidum	—	5 0	0
88	oz.	Ipecac. præp. ...	—	—	2
87	lb.	Karaya pulv. ...	3 2	0 11	0
90	lb.	Lin. aconiti meth. S.1. (5)	2 10	0 10	0
63	4 oz.	Liq. morph. hydrochlor D.D.	—	2 4	0
48	oz.	Neb. isoprenalin. sulph. N.F.	—	7 0	1
72	oz.	Neb. isoprenalin. co. sulph. N.F.	—	10 6	1
69	pt.	Ol. olivæ 16fl. oz. 7s.	2 0	0 7	0
63	oz.	Procain. hydrochlor. S.1. (4)	—	—	1
126	lb.	Pulv. tragacanthæ co.	4 6	1 3	0
32	lb.	Ung. zinci oxid ...	1 2	0 4	—
37	lb.	Zinci oxidum ...	1 4	0 5	0
78	lb.	Zingib. rhiz. Jam. ...	2 10	0 10	0
96	lb.	Zingib. rhiz. Jam. pulv.	3 5	0 11	0

TRADE NOTES

Handy Pocket Wallet.—Ulter (Bradford), Ltd., 1 Delph Terrace, Clayton, Bradford, illustrate on another page a new handy pocket wallet and counter display for Ulter stomach tablets.

Holiday Sales Displays. — The long-range weather map produced by Addis,



Ltd., The Brushworks, Hertford, makes an excellent centrepiece for a display of holiday-time needs, as the illustration shows.

Press-button Sprayer.—Formulated to give "maximum kill in minimum time," Secto DDT insecticide is marketed by the manufacturers, Secto Co., Ltd., Blackburn, in a 6-oz. press-button container that delivers the powder as an aerosol spray.

Agents in Eire.—May, Roberts (Ireland), Ltd., Grand Canal Quay, Dublin, C.6, have been appointed agents in Eire for the range of ethical products manufactured by C. L. Bencard, Ltd., Great West Road, Brentford, Middlesex.

Green-fly Exterminator. — Harker's green-fly exterminator is again available from the manufacturers, Harker Stagg, Ltd., Emmott Street, London, E.1. It is described as "the most effective liquid insecticide manufactured."

Toilet Holders and Rolls.—Jeyes Sanitary Compounds Co., Ltd., Manor Road, Chigwell, Essex, announce that holders for the interfolded flat packs of Jeyes' toilet paper are again available and that, for customers who prefer rolls, Jeyes' toilet paper is now obtainable in that form.

Leipzig International Fair.—The organisers of the Leipzig International Fair, Leipzig, Germany, September 7-17, announce that the International Committee for the Promotion of World Trade is meeting there during the run of the Fair. The entire exhibition space for the eleven industrial branches in the thirteen halls in the grounds of the Technical Fair is understood to be already booked, though a further 6,000 sq. ft. of Fair space has been made available elsewhere. The Technical Fair includes sections for chemistry and scientific instruments.

At Royal Show.—Exhibiting for the first time at the Royal Show, Newton Abbot, Devon, recently, Rentokil, Ltd., 23 Bedford Square, London, W.C.1, demonstrated the danger from woodworm and dry rot, and gave practical advice on wiping out the danger.

A New Anticonvulsant. — Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Manchester, announce that supplies are now available of the company's new anticonvulsant product Mysoline, which is presented as a 0.25-gm. tablet in packs of 100 and 1,000.

500,000-unit Strength. — Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, announce that, in addition to the existing 20,000-, 100,000- and 200,000-unit strengths, Tabloid brand penicillin for oral administration is now available in a strength of 500,000 international units per product (tube of ten).

Supplies on Bank Holiday.—Biorex Laboratories, Ltd., 51 Exmouth Street, Rosebery Avenue, London, E.C.1, announce that they will be open on August bank holiday between 10.30 a.m. and 12.30 p.m. to receive orders for urgent chemists' supplies, which will be delivered, posted, or collected as the case may be.

Olympic Equipment.—As part of their equipment the British Olympic teams have taken with them to Helsinki a supply of Litesome supporters and Grand Slam cushion foot socks. The sock is claimed to give added resilience to the foot and to absorb perspiration. Both products are manufactured by Fred Hurtley, Ltd., Keighley, Yorks.

Portable "Pottie." — Traveljoy Products, Ltd., 68 Fore Street, St. Marychurch, Torquay, draw attention on another page to their new Traveljoy child's portable chamber, which is available in "all nursery colours." The article had been previously introduced into the trade, but is now much improved and production has been stepped up to meet the anticipated demand. Made entirely of rubber, the Traveljoy is unbreakable and hygienic; it packs flat and when inflated cannot tip up.

Holiday Closings.—Notice has been received of bank holiday and other works holiday closings, as follows:—

Friday evening, August 1, to Tuesday morning, August 5.—CIBA LABORATORIES, LTD., Horsham, Sussex.—RICHARD DANIEL & SON, LTD. (Derby and Ashton-under-Lyne offices and warehouses).—GLAXO LABORATORIES, LTD., Greenford, Middlesex (skeleton staff available 8.30 a.m. to 12 noon, August 2).—MAY & BAKER, LTD., and PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex (order department closed from noon on August 1; urgent supplies from John Bell & Croyden, 50 Wigmore Street, London, W.1).

Friday evening, July 25, to Monday morning, August 11:—CUXSON, GERRARD & CO., LTD., Oldbury, Birmingham.

Saturday, mid-day, July 26, to Monday, August 4:—FRED HURTLEY, LTD., Keighley, Yorks (skeleton staff on duty for inquiries and small stock orders).

Friday evening, August 1, to Monday morning, August 11:—HARKER STAGG, LTD., Emmott Street, London, E.1 (skeleton staff in attendance for urgent orders of pharmaceutical specialities only).

Saturday mid-day, August 2, to Monday, August 11:—M. BEETHAM & SON, Imperial Lane, Cheltenham.

Saturday mid-day, August 2, to Monday, August 18:—WARREN STANLEY & CO., LTD., wholesalers, 129 High Street, Edgware, Middlesex.

Saturday mid-day, August 9, to Monday morning, August 18:— WILLIAM RANSOM & SON, LTD., Hitchin.

"Great Advance" In Dentifrices.—Pepsodent (Sales), Ltd., 449 London Road,



Isleworth, Middlesex, announce that a new green tooth-paste launched throughout the American Continent in 1951 and containing a perfected form of water-soluble chlorophyll is now being marketed nationally in this country under the name Mentasol chlorophyll tooth-paste. Mentasol is claimed to banish mouth odours completely and check their return for some hours.

Phenylbutazone.—Pharmaceutical Laboratories Geigy, Ltd., Rhodes, Middleton, Manchester, offer Butazolidin brand phenylbutazone, a new pyrazolone derivative for the treatment of all forms of rheumatic disease. Chemically, Butazolidin is 3,5-dioxo-1,2-diphenyl-4-n-butyl pyrazolidine. It is supplied for intramuscular injection in ampoules each containing 1 gm. in 5 mils solution, and for oral administration in tablets each containing 0.2 gm.

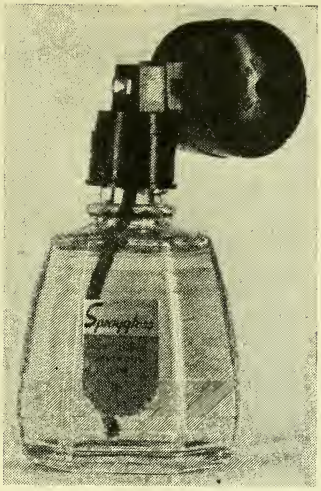
Now Subject to Tax.—Armour Laboratories (Armour & Co., Ltd.), Lindsey Street, London, E.C.1, state that the commissioners of Customs and Excise have ruled that Glanoid liver and yeast concentrate is chargeable with tax at 33⅓ per cent. as from July 18. Dispensing packs are being introduced so soon as possible but their distribution must await Customs approval of the labels. Liver and yeast Glanules remain tax-free.

A Synthetic Anticoagulant. — Evans Medical Supplies, Ltd., Speke, Liverpool 19, are issuing for the first time in this country a synthetic anticoagulant, Dindevan brand phenylindanedione, which is said to decrease effectively the prothrombin content of the blood when given orally and to prolong its coagulation time. The compound possesses the advantage over coumarin derivatives that it is excreted and inactivated sufficiently rapidly to reduce the cumulative effects, yet not so rapidly as to cause difficulty in maintaining a therapeutic prothrombin level. Dindevan is presented as scored tablets each containing 50 mgm. phenylindanedione, in containers of twenty-five and 100 tablets.

Novel Fly-killer.—Stanley Z. Jackson (Chemists), Ltd., 129 Carlton Street, Castleford, Yorks, are manufacturers of the Flypack fly-killer, a hanging cylinder of material 3 in. in length and 1½ in. in diameter impregnated with DDT and paradichlorbenzene, for the destruction of flies and moths in homes, shops, food stores, wardrobes, etc. The outer wrappings are removed and the Flypack is hung in any convenient place. The impregnated material attracts the flies and moths. They alight on it and are in due course overtaken by paralysis (death is not immediate). There is no stickiness. Each Flypack lasts approximately three months.

Hair Spray Unit.—An pplicator for Spraygloss). & W. Gibbs, Ltd., 7 ridewell Place, London, .C.4) in distribution to iemists' shops features new type plastic spray iat is both elegant and irtually non-perishable. he spray (illustrated) is mple to operate with ne hand, and a picture n the pack for the new nit shows the applica- on of Spraygloss to iree different hair styles.

" Tip-top " Collapsible ubes.—Stated to be in- istinguishable from a ure-tin tube, the " tin- p " collapsible tube sued by Impact Extru- ons, Ltd., Feltham, Mid- lesex, has a solid tin nozzle integral with ie tin-coated lead tube body. The tube vercomes the drawbacks of the pure tin ibe (excessive cost) and of the ordinary n-coated lead tube (risk of contamination the contents from bare lead).



Spring-action Tweezer. — Arcfield Optical Manufacturing Co., Ltd., 53 Tottenham Court Road, London, W.1, are marketing a new British patented spring-action tweezer, the Greba, the advantage of which is that it eliminates tension and holds the minutest article with an unfailing grip. The Greba is made from steel with heavy chrome finish and carded in dozens for counter display. Wholesale and export inquiries are invited.

Price Lists.—THOMAS KERFOOT & Co., LTD., Vale of Bardsley, Ashton-under-Lyne, Lancs, have brought out an 8-p. list of oral, solution, ophthalmic and hypodermic tablets.—VERNON POWELL, LTD., Verona House, Selsdon Road, Croydon, Surrey, have issued their 1952 catalogue, listing toilet sundries, hot-water bottles, etc.

NYLON-YARN SURGICAL HOSIERY

HE advantages Nylon yarn offers in the anufacture of ladies' stockings can be rned to good account also in surgical astic hosiery. Certain technical prob- ns have to be overcome owing to the rn being much finer and smoother than e more usual cotton-covered yarn, but nta Instruments, Ltd., 88 Golden ne, London, E.C.1, the first makers of ylon elastic hosiery in this country, claim have overcome the difficulties. After uilding their knitting and other hand- g machinery, plus twelve months of ex- riment mainly on the engineering side, ey now have machines that are able to oduce a garment possessing many ad- ntages over those made with rubber- ed cotton-covered yarn.

The cotton covering, even when mer- ised, is seldom smooth. It leaves fine es projecting from the yarn, and they ome more pronounced with washing. hen made up into a garment cotton- ered yarn has the further disadvantage t the cotton fleece fills the close mesh l restricts the normal intake of air by pores of the skin, causing discomfort the patient, particularly in the hot ather. In using Nylon instead of cotton-covered yarn the manufacturer is substituting a mono-filament that is perfectly smooth in section. When wound round a rubber core and then knitted into an elastic stocking it forms a clean, open mesh, permitting perfect air intake. The circulating air and the freedom from fleecy fibres make the stocking much more cool and comfortable in wear, a big point with patients who have tender skins and are forced to wear their hosiery for long periods at a time. Nylon yarn is, moreover, twice as strong as comparable cotton-covered yarn. Its elasticity, so important for compression treatment, is increased by the elasticity of the Nylon itself. The yarn recovers completely even when held at tension for a considerable time. Compared with other textiles, Nylon is unique in its high degree of resistance to abrasion, and that makes for hard wear in the finished article. Washing is simply carried out in lukewarm water with or without detergents and, as Nylon is chemically inert, neither perspiration, chemicals, ointments, nor grit remain on the stockings. The company's Nylon-yarn, seamless, fully-fashioned, two-way-stretch hosiery is marked under the brand name Perpedes.

DENTAL CONGRESS AND EXHIBITION

The eleventh international dental congress was opened by the Minister of Health (Mr. Iain MacLeod) in London on July 19; it closes on July 26. Science papers, discussions, films and demonstrations were on the programme. A number of manufacturers displayed dental products at stands adjoining the conference hall, among them British Oxygen Co., Ltd.; D. & W. Gibbs, Ltd.; Imperial Chemical Industries, Ltd.; Pepsodent (Sales), Ltd.; Pharmaceutical Manufacturing Co.; and Reckitt & Colman, Ltd. A dental health exhibition open to the public opened on the same day. It consisted mainly of information plaques in colour and was in sections concerned with dental health in various countries and in the Royal Navy, Army and Royal Air Force. An exhibit dealing with the United States presented statistics showing the beneficial effect in reducing dental decay of fluorinating public water supplies. Opening the scientific proceedings at the congress on July 21, Sir Alexander Fleming said that dental surgery used more penicillin than any other branch of the medical profession.

Oral Hygiene Service

In London on July 17, at a gathering at the Eastman Dental Hospital, there was inaugurated an Oral Hygiene Service established by D. & W. Gibbs, Ltd., 7 Bridewell Place, London, E.C.4. Believed the first public information service of its kind, it has as its objects "to make available information on all matters relating to oral health" as well as authoritative comment on the latest trends; to assis the dental profession by providing visua aid material for schools and booklets fo dentists to distribute to their patients; an to create a pool of information from whicl to answer questions from the Press on thre aspects of the subject: Diet, prevention o dental caries and pyorrhœa, and mouth hygiene. At the inauguration of the ser vice Professor F. C. Wilkinson (director Eastman Dental Hospital) presided an Mr. S. G. Sweetman (chairman of D. & W. Gibbs, Ltd.) made a statement of it objects. All material issued will be ap proved by the British Society of Perioc ontology, whose president (Dr. G. H Leatherman) was present to give an ac dress. Afterwards a first showing wa given to an educational film "Let's Kee Our Teeth," produced for the XIth In ternational Congress, London, July 19-2 and which will be available afterwards fc showing at institutions and groups.

The film (9-mm., running time abou seventeen minutes) will shortly be availab on loan to organisations.

PROPRIETARY ASSOCIATION OF GREAT BRITAIN

At the luncheon that formed part of the annual meeting of the Proprietary Association of Great Britain on July 17, Dr. Kennedy (Ministry of Health), Mr. H. E. Chapman (secretary, Proprietary Articles Trade Association) were present as guests and a third guest from America (Mr. Francis Chilson) was the speaker. Mr. F. A. S. Gwatkin, who presided, introduced Mr. Chilson as a consultant specialising in pharmaceutical and allied industries. Dr. Chilson, he said, after experience in all branches of the drug trade, had graduated in industrial engineering. He was a member of the Proprietary Association of America, the American Pharmaceutical Manufacturers' Association, and the New York Board of Trade (drug and chemical section). After a reference to the remarkable progress he noted in London since his previous visit in 1947, Mr. Chilson spoke of the benefit that had come to American industry from giving opportunity to very young men, as in such developments as junior boards of director which discussed company policy. In h time he had seen the U.S. pharmaceutic industry transformed. He had come when "filthy" plants, with no particul regard for sanitation, were common. E perience in the industry had in due cour proved the relation between sanitatio layout and efficiency. Another recent d velopment in the United States was th new plants were much smaller, produci greater quantities with less fuss by "r laxed" workers who quickly spotted a corrected any defect preventing smoo production. Mr. Chilson thought t battles still to be won were in systems bookkeeping (to give something more a propriate to current conditions than system invented by an Italian in 1810), the attitude to costing, and in taxatic which should be redirected so as to all reserves to be put by in a period of hi activity against a period of low activi "A business exists for running over

ng period," and without some such ad-
istment of taxation methods the hopes for
nall businesses were slender.

At the business meeting the *Chairman, ice-chairmen, Treasurer* and *Members of xecutive* were re-elected. In addition, aptain P. G. E. Warburton was elected the *Executive.*

The thirty-second annual report of e executive, presented at the meeting, arns that the Government's decision to strict open general licences for importing oods from foreign countries, the con-nued control on the allocation of many w materials, and the extension of control to starch, are an indication that for some time to come the industry must be prepared to cope with difficult trading conditions. The executive is giving consideration to the question of propaganda and is collecting essential information for such uses.

Interchange of information and collaboration on matters of mutual interest continued during the year with overseas organisations, including the Proprietary Associations of America, Canada and South Africa, the Manufacturers' Association, Ltd., of Australia, and similar bodies in India and Pakistan.

IONOURS FOR DR. URDANG ON HIS RETIREMENT

r a dinner held on June 13 to honour r. George Urdang on his retirement at e age of seventy from the pharmacy faculty of the University of Wisconsin, a George Urdang medal was established. The medal is to be an international award, to be bestowed at irregular intervals " for original and scholarly works pertaining primarily to historical or historico-social aspects of pharmacy appearing anywhere in world." The first to be struck was en to Dr. Urdang as a memento of the asion, at which 140 colleagues and ends were present to do him honour. eation of the medal was made possible contributions from 750 Wisconsin phar-cists and members of the American In-ute of the History of Pharmacy and the nerican College of Apothecaries.



Dr. Urdang's birthday was made the asion for announcing the formation of o new international organisations in torical pharmacy: An International ademy of the History of Pharmacy, and World Organisation of Societies of armaceutical History. The first will ive recognition to, and stimulate col-oration among, the world's outstanding torians of pharmacy," and the second l provide a common meeting-ground for ociations promoting research, teaching l exchange of information in the field pharmaceutical history.



Dr. Urdang, who is an honorary member of the Pharmaceutical Society of Great Britain, is the subject of an "Exhibit of the Month," at the Armed Forces Medical Library, Washington, D.C., U.S.A. A special issue of the Berlin journal *"Pharmazeutische Zeitung,"* of which he was once editor, has been dedicated to him. He continues as director of the American Institute of the History of Pharmacy.

A PHARMACIST'S ANTHOLOGY

HERE Lockyer lies interr'd, enough; his name
Speakes one hath few competitors in fame:
A name, soe great, soe Generall't may scorne
Inscriptions wch doe vulgar tombs adorne:
A diminution tis to write in verse
His eulogies, wch most mens mouths rehearse.
His virtues & his PILLS are soe well known,
That envy can't confine them vndr stone,
But they'll surviue his dust and not expire
Till all things else at th' universal fire.
This verse is lost, his PILL Embalmes him safe
To future times without an Epitaph!

Epitaph in the North Trancept of Southwark Cathedral.

AN EXHIBITION FOR DERMATOLOGISTS

As part of the 10th International Congress of Dermatology, Bedford College, University of London, July 21-26, the librarian of the Pharmaceutical Society (Miss A. Lothian) organised on behalf of the Society an exhibition of ointment jars, some of which are shown below.

The illustrations below show:—Top, left to right: A Lambeth delft (1662) ointment pot for Unguentum Aregon: "The Helpful Ointment"; ointment pot "wasters" (*i.e.*, pots fused together and rejected by the makers) from excavations at Wincanton, Somerset; a Lambeth delft (circa 1666) ointment pot for Unguentum Ægyptiacum, the original formula of which appears in the Ebers Papyrus, 1550 B.C. Lower left: Part of a diagram illustrating the physiology of the pituitary-adrenal axis. Lower right, left to right from top: A framed page from the *C. & D.* Annual Special Issue, 1931, p. 778: "Physician and Pharmacist in an Eighteenth-century Italian Pharmacy"; Italian unguent jars circa 1700—U. Balicon, U. Contessa, U. Alabestro; another framed page from the *C. & D.* Annual Special Issue, 1931, p. 781: "Hospital Pharmacy in an Italian City in the Eighteenth Century." Bottom row: Spanish albarello — King Agrippa's ointment (Seville, seventeenth-century); French pot *à canon* (*c.* 1780) for ung. althaeae; Culpeper's "Pharmacopœia Londinensis," open at the book of "Oyntments"; pectoral ointment jar made at Nove, Bassano (eighteenth century); Venetian ointment albarello (circa 1600) for *Infrigidante Galeni* (now known as cold cream).

The jars include many from private collectors as well as a number from the Pharmaceutical Society's museum.

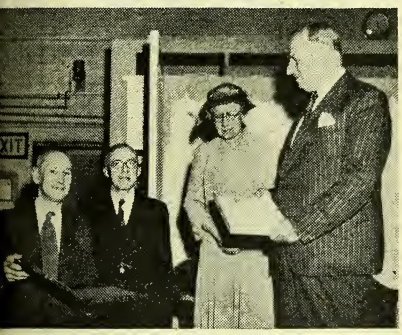
One wall of the exhibition room is devoted to an explanation of the use of photography in the teaching of dermatology, and there are also large diagrams describing the uses of cortisone and ACTH in dermatology.



NEWS IN PICTURES



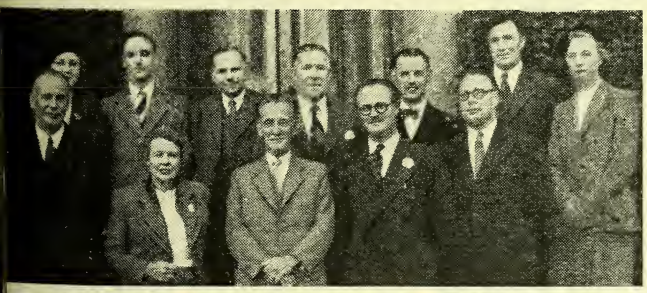
ttish Chemists' Bowling Association and Ulster Chemists' Bowling Association Queen's Park Green, Glasgow, on June 25 (see *C. & D.*, July 12, p. 35).



MPANY CHAIRMAN RETIRES: Mr. C. F. Mer- n retired from the chairmanship of Halex, Ltd., of the Halex division of the British Xylonite , on June 27. He has been a director of the ex division since 1912. Mr. Merriam is seen ve (left) being presented with albums containing signatures of the employees at the Halex Fac- y by Messrs. Ratnage and G. Eastwell (employees h the greatest length of service).



BIRDSGROVE WARDEN CROWNS A " QUEEN ": Miss M. C. Jones (warden of the Pharmaceutical Society's convalescent home, Birdsgrove House, Mayfield, Ashbourne, Derbys) (left) photographed after performing the ceremony of crowning the Carnival Queen at Mayfield carnival which was held on June 28.



AUSTRALIAN GUEST SPEAKER: Mr. R. S. F. Greig (president, Pharmaceutical Society of Queensland) (front row centre) with the committee of Dartford Branch of the Pharmaceutical Society. Mr. J. R. Watson (Branch chairman) is on Mr. Greig's left.



BRANCH OUTING AND WORKS VISIT: Members of the Epsom and Sutton Branch of the Pharmaceutical Society leaving after a tour of the factory of Ciba Laboratories, Ltd., Horsham, recently.

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OL. CLVIII July 26, 1952 No. 3779

A Hint From a Candid Friend

HEN Mr. P. G. E. Warburton, proposing a te of thanks to the American guest spea- (Mr. Francis Chilson) at the annual ncheon of the Proprietary Association of eat Britain (p. 110), suggested that the sent period of rapid modernisation and ogress of the American drug industry d coincided roughly with Mr. Chilson's ociation with the industry as produc- n engineer and consultant, his impli- ion may have been exaggeratedly flat- ing. No one man, of course, could have ought so revolutionary a change from days, within the speaker's memory, of lthy" plants, no particular regard for itation, and crowded, unplanned lay- s. Yet certainly Mr. Chilson, who has ny achievements to his credit, had also umber of ideas of great potential value put before his hearers.

n his day he has crusaded for tiled ls, rounded corners, quiet machines and gle-story layouts—commonplaces today, apt to seem like the expensive les of a crank when first presented to rds of directors. Proof came with ex- ience. A promised 25 per cent. reduc- in running costs for one firm proved he event to be as high as 28 per cent. dvances of that kind are not of course fined to the United States. In this ntry in recent decades many a manu- urer has taken the plunge in moving to modern premises where flow, lay- hygiene and psychology have been ght out in advance. In general, the nges have proved extremely good busi- ness, bringing reductions in running costs comparable, we have no doubt, with those Mr. Chilson described.

The real lesson for manufacturers, in whatever territory, he aptly summarised as one of attitude. The successful attitude is one of encouraging new ideas even when there appears no need for them, so that when the inevitable tough time comes the business can take it. The need is especially great in Britain now, because, as many will have noted, considerable State help is being given in the United States to develop the chemical industry to new levels of output. The likelihood of a further boost to competitive efficiency in the American pharmaceutical industry has therefore to be faced. If British industry is to maintain its footing in export markets, let alone increase its sales overseas, every pocket of antiquated or not-quite-fully modernised production should be turned out and brought right up to date by the best available brains, even to the extent of welcoming ideas from the young and inexperienced, or from other industries.

Toxicity of Chloramphenicol

INFORMATION given in the "British Medical Journal" (July 12, p. 108 and 19, p. 137) incriminates chloramphenicol as a cause of often fatal cases of aplastic anæmia. That only now, after so long a use of the drug, is this unpleasant side-effect becoming known is referred to as "an illustration of the remarkable latent period which may elapse before the toxic effects of a new drug are recognised."

Thorough tests for toxicity on animals prior to release of the drug for clinical trial failed to reveal more than a transient anæmia in dogs after parenteral (not oral) administration. Two infants who, two years ago, showed a fall in polynuclear count both recovered, but at the end of the same year a man of sixty-three died from aplastic anæmia after repeated courses of the drug for urinary infection. No other such case was reported for twelve months, but other reports of toxicity began to appear, all involving prolonged treatment with the drug. More recently, it has become clear that the untoward effect may

occur with much less prolonged treatment. The B.M.J. points out that to decide how far the use of chloramphenicol should be restricted, or to formulate safeguards, are not yet possible, except that prolonged use and use as a household remedy for sore throats and catarrhs (current practice in the United States) should cease. The writer of the article adds that, for many purposes for which "the newer, more expensive and for the time being more fashionable" antibiotics are now being used, penicillin or a sulphonamide, or even some simpler and less specific form of treatment, would serve equally well.

Overseas Trade and Prospects

DESPITE emergency cuts in United Kingdom imports in operation since November 1951, and other measures subsequently taken by the Government with the object of balancing this country's imports and exports, imports in June still exceeded exports by £83.4 millions. The first half of 1952 thus ends with a trade deficit of £470 millions against £655.5 millions in the second half of 1951 and £552.1 millions in the first half. Clearly, therefore, the plan to restore Britain's balance of payments, as outlined by the Government, has met with disappointing success so far. An announcement that a two-day debate on economic affairs would take place before Parliament rose for the summer recess was therefore to be expected. In making the announcement the Prime Minister, with the easy rhetoric of which he is master, said that "very grave and far-reaching matters affecting every branch of our national life, both domestic and defensive, will have to be brought into a new survey and presentation of our present position."

Anything, of course, can be read into those words, and we must await the debate to know how much, in actual changes, they mean, but it appears probable that further import restrictions are on their way.

Exhortations to step up exports are certain. Indeed, to increase the volume of exports from some industries is a vital necessity. In the chemical and toilet preparations field strenuous efforts will be needed even to maintain present levels.

The value of United Kingdom expo in June was, at only £185 millions, per cent. less than in May. For about per cent. the shorter working month sho account. Imports totalled £276.3 milli (14 per cent. less than in May). T total for the group containing chemic drugs, dyes and colours was, £10,465,583, the lowest since Ma 1951. Drugs, medicines and medical p parations accounted for £2,485,1 bringing the total for the first half 1952 to £17,057,319, against £16,320,2 for the corresponding period in 1951. the £523,738 worth of proprietary me cines exported, Australia spent o £11,018 against £79,408 in June 19 but India's purchases, at £70,377, w doubled. Markets showing an incre over June 1951 for non-proprietary m cines were India, £194,223 (£128,76 Pakistan, £165,171 (£61,783); and tish West Africa, £151,537 (£86,6 Showing a decline were Austra £50,277 (£228,706); Hong K £47,814 (£172,060), and the Republi Ireland, £47,076 (£104,306). The v of quinine exports dropped to £22,5 bringing the total for the first six mo of 1952 to £175,993, against £236, in the same period of 1951. Antipalu at £104,273, brought the total for year—so far—to £632,079. Insulin, £34,700; ointments and liniments, £69,200; and antibiotics were below 1952 averages. The export values of penicillin preparations were:—S £188,078; preparations put up for i tion, £140,821; lozenges, ointments, lets, etc., £20,593. Sulphonamide prep tions, at £322,032, almost equalled record achieved in May (£324,9 Aspirin exports were again high, an £86,920 established a record.

Total exports of perfumery, toilet parations, etc., were valued at £417, which included cosmetics, £143,099; dentifrices, £86,554. June exports of let soap, at £150,591, were the lowes any month since 1950. Imports of m factured and prepared drugs, at £354. showed a slight increase over April May. Menthol imports were also hi at £46,228.

PROTECTION AGAINST SUNBURN

By C. R. Ricketts, Ph.D., F.R.I.C.

Medical Research Council Industrial Injuries and Burns Research Unit, Birmingham)

ANY substances have been suggested for the prevention of burns caused by ultra-violet of sunlight or by ultra- radiation incidental to some indus- processes such as welding. This arti- eviews the type of radiation capable using burns, substances suggested for prevention of burns, their formulation ome methods of testing.

ndamental work on the ultra-violet onent of sunlight producing erythema ess) of the skin was done by Coblenz Stair (1944) of the National Bureau tandards. They compared radiation tly from the sun with radiation from sky in general, and found that the adiation did have a component cap- of producing erythema of the skin. component has a wavelength of 3132 d shorter, and accounts for only about thousandth of the incident radiation the sun. In their tests an intensity bout 160 microwatts per square cm. just sufficient to produce the minimum ptible erythema. Washington, lati- 38°, a comparatively smokeless city, at noon midwinter an intensity of 30 owatts per sq. cm., ranging up to microwatts per sq. cm. at noon mid- ner. These figures indicate the inten- to which exposed parts of normal are adapted. Considerable increases ntensity are to be expected at high udes and in tropical or arctic regions, e the intensities encountered by ex- re to a source of ultra-violet may be uite another order of magnitude. The lem therefore resolves itself into re- ng the intensity of ultra-violet light avelengths of 2900 to 3300 A below threshold of minimum perceptible ery- ia for exposures of a few hours' dura-

A sufficient margin must be allowed clude the more sensitive members of population. For most applications all must be achieved together with a satis- ry cosmetic result.

creen Creams

nscreen creams may contain either ue substances which absorb and re- visible and ultra-violet radiation or ances with a specific absorption in the n of the harmful wavelengths. As ples of the opaque type, titanium de and calamine may be mentioned. ge number of the specific absorbing type exist and no doubt more could be found. Phenyl and other substituted salicylates (Pfanier, 1945), *p*-amino benzoic acid, its sodium salt, ethyl ester and N-dimethyl and N-ethyl derivatives, tannic acid and quinine hydrochloride may be mentioned as examples. The contribution of the base to the screening effect is sometimes important. Some useful methods of analysis for common constituents of sunscreen creams, viz., propylene glycol, free and combined glycerol, isobutyl *p*-amino benzoate, lanolin fatty acids, water, ferric oxide, are given by Newburger (1947).

Effect of Base

Russell and Anderson (1950) made careful comparisons of four substances in five different types of base. Protection was provided by a vanishing cream type of base containing any one of the following at the stated concentration: Tannic acid 5 per cent.; quinine hydrochloride 5 per cent.; pyribenzamine 5 per cent.; sodium *p*-amino benzoate 10 per cent.; salol 10 per cent.; or yellow soft paraffin 50 per cent. Tannic acid was their substance of choice as it was considered less likely to cause contact eczema. Russell and Anderson tested their compounds in a base of the following composition:

Stearin	25
Triethanolamine	1
Glycerin	10
Oil of theobroma	1
Cetyl alcohol	0.5
Distilled water	62.5

(dispensed in an airtight container)

Some curious effects were noted with yellow soft paraffin which, although an effective screen by itself, reduced the screening effect due to this base alone. In view of the fact that sunscreen creams will probably be used by people with "sensitive" skins, it is clearly desirable to restrict formulations to as few ingredients as possible and preferably to those already established as widely suitable for therapeutic ointments.

An ideal sunscreen compound must meet a very wide specification:

(1) It must absorb radiation in the region of 2,900 to 3,000 A.

(2) Neither the compound nor any decomposition products that may be produced under conditions of use should be toxic or be known to induce skin sensiti-

sation. Nor should any of these be absorbed through the skin—an important point, as quite large areas may be involved.

(3) It should be non-volatile and insoluble in water so as to remain effective for long periods.

(4) It must be presented in a base that will withstand storage and use under climatic conditions, tropical or arctic.

Much experience in formulation is available in pharmaceutical houses to meet these requirements. Testing for efficacy is relatively easy compared with other pharmaceutical preparations. A technique is described by Coblenz and Stair using a card with a series of holes which may be covered at intervals to obtain graded exposure of the inner surface of the forearm to sunlight. Spacing of the holes should be arranged to eliminate variations in sensitivity of different skin areas. Alte tively an ultra-violet lamp may be u as described by Russell and Anderson, in this case it would seem to be a l more difficult to relate test exposure practical conditions.

In ordinary usage wide variations be encountered in the thickness of layer applied, individual sensitivity and intensity of ultra-violet radiation enc tered. These are important factors in cess or failure and require sound ad from manufacturer to user.

REFERENCES

Coblenz and Stair (1944), "J. Res. Bur. Stand.," 1944. **33.** 21.
Newburger (1947) "J. Ass. off. a Chem., Wash." 1947. **30.** 683.
Pfanier (1945), British patent 593915
Russell and Anderson "Lancet," 195 **247.**

CORRESPONDENCE

Letters may be sent for publication under an assumed name, but the correspondent must furnish his real name and address to the Editor

Odd But Regular

SIR,—With reference to your article "Odd But Regular" (*C. & D.*, June 28, p. 925), I wonder if anyone can beat this: For a long time a woman or her son came to my shop and bought one or two ounces of iron filings every two, three or four weeks. At first I thought little about it, until after some time I began to wonder. Later I asked the son what his mother used such a lot of iron filings for. "She is anæmic and her blood needs iron. She takes the iron filings off a teaspoon."

FERRUGINOUS.

A Firm Stand

SIR,—I have been very much alarmed at the encroachment of "our" (chemists') merchandise by Tom, Dick and Harry. I think it is most regrettable that chemists of today seem to let this go on without protest. Recently I was informed that a certain medicinal tonic drink was being sold now by grocers, after the spadework of introducing it had been done by chemists. I took this matter up with the manufacturers, but did not get a very satisfactory reply. I then took it up with the company's representative, who seemed rather taken aback and apologetically promised to look into the matter. What is wanted is not promises but action. Some years ago I had difficulty with a firm over a point such as this and took a strong stand, ultimately discontinuin stock the firm's goods. The travelle peatedly tried to get me to stock a but I never did do so. Perhaps if che of today protested not individually but collectively we might get somewh

SCOTTISH CHEMI

Unit Storage of Drugs

SIR,—I was extremely pleased to s article in your issue of July 12 or Schwartz unit system of drug storag I have for several years been makin quiries in the wholesale, retail, and fitting sections of the trade about units, but have never yet encountered one with any knowledge of them. hope that some shopfitters or man turers of steel filing equipment will b ficiently enterprising to market such in this country, and feel that you v be doing the trade a service by c the attention of these manufacture your article.

Plymouth. MAURICE A. SEAR

COMING EVENTS

Sunday, July 27

LONDON PHARMACY RAMBLERS. Ramble to Park and Saxonbury Hill from Frant Train from Victoria and London Bridge a.m. Details from Mr. S. Robinson, 21 hurst Avenue, Ilford, Essex (telephone: Kings 7449).

A MONTH AS TAX COLLECTOR

By Hubert Blore

' is obviously far too early to assess accurately the effect of the shilling scription charge on retail pharmacy. ny of us in the past have angrily for- rn the use of tobacco on reading a lget speech proposing a further tax, then, after a week or two, crept nefacedly back to the counter of the l tobacconist. The same thing, to some ent, may occur when the resentment r the prescription levy has died away, people have become accustomed to At present there is a real resentment, only among the very poor, but among se of reasonable income levels.

ing for First Time

The resentment is easy to understand. y people who were working before the 4-18 war are still working today, so t a vast number of the population have er had to pay for medicines since they nt to their first job at fourteen years age. Now, in addition to heavy Insur- e payment, they must find an extra ling on each occasion on which they the service. Whether one agrees with Government or not over this measure, is bound to admire the suicidal cour- with which they have pressed on with cheme that will almost certainly cost m defeat at the next General Election. t is now possible to study the first orts from the pharmacists who have to ect the levy, when already suffering n an overburdened existence. In this in, the reports vary with district. Here, a busy industrial city, the impact has n considerable. In this business, which sues a very even course, neither suf- ng the worst of a slump nor enjoying best of an affluent period, the author's res for the first month of the levy v reductions, as compared with June, 1, of 10 per cent. in the number of criptions and 20 per cent. in the num- of forms sent in. So there would seem e a general tendency on the part of doctors to write more prescriptions on form. But no proof is so far forth- ing that the prescriptions on one form intended for the consumption of more one patient.

the more congested parts of the city reduction in the number of prescrip- is in some cases considerably greater 10 per cent. A 25 per cent. reduction seems common. These are the areas where the bulk of the dispensing is done and where shillings are a little harder to come by. Doctors and their satellite " dispensers " report that the numbers in their waiting rooms show few signs of diminution, but that they are writing fewer forms. That is simply accounted for. The patient who, in addition to her own requirements, disclosed that her children had coughs or stomach ache, and took home for them prescriptions supplied to her verbal diagnosis, no longer does so. With a shilling at stake, little Willie's cough remains a family secret. That fact alone probably accounts for most of the drop in dispensing.

From the point of view of both public and pharmacist the most unsatisfactory and distressing part of the scheme is the whispered and embarrassed disclosure, in front of a shop full of customers, that a patient is in receipt of National Assistance and requires a receipt in order to reclaim the shilling. Surely the proper place for such a disclosure is the doctor's consulting room with its privacy and confidential atmosphere. A different-coloured prescription form could have been issued in these cases and honoured by us without payment and without comment. Besides sparing the needy embarrassment, the method would also have spared them the necessity of finding the shilling first and the trouble of reclaiming it afterwards. Receipts are lost before pensions can be claimed, and a proportion of claimants are doubtless too proud and independent to have any truck with the miserable business at all. This section of the scheme does not seem to be in keeping with the dignity and social conscience of this country.

Levies One Cannot Collect

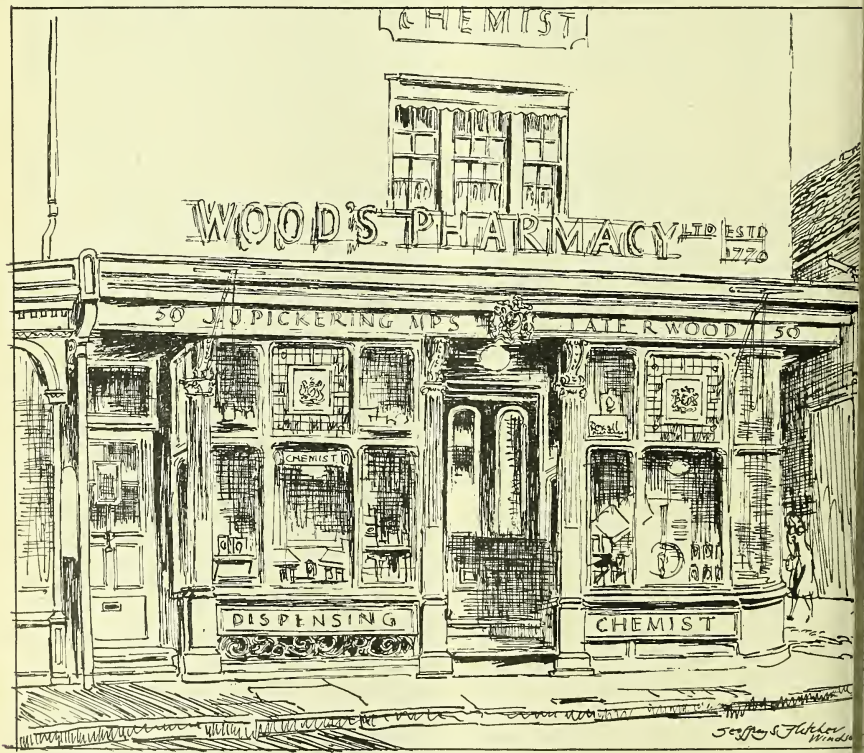
It is no uncommon thing here to find a patient who just cannot produce a shilling, and must go away and seek to borrow it before collecting his medicine. Three times I have had to dispense phenobarbitone tablets for an unemployed epileptic without collecting any levy, because I dare not let him go without. From this patient I have so far received no levy for three prescriptions.

The only other defaulters have been a doctor's family who have probably not realised that what is sauce for the goose

is sauce for the gander also, and who will find the levy charged on their account in due course. Reactions of patients to the demand for a shilling have varied from a cheerful and amused acquiescence to a determined effort to dodge—on the part of a man who habitually presents a form for dressings worth at least a pound. This gentleman left his form on the counter in a hurry one evening and sent in relays of relatives, all without shillings, to collect his goods during the next two days. Finally, having run out of dressings, presented himself in a towering rage, co plete with shilling, to collect his materi and we have not seen him since. Su are the variants in human nature.

Final impressions from the first mon working confirm earlier opinions that i a bad scheme, weighing heaviest on th least able to stand the burden, and posing a disagreeable task on a body professional men who ought never to h been asked to shoulder it.

PHARMACIES OF BRITAIN—2



WOOD'S PHARMACY AT HIGH STREET, WINDSOR.

The business was established in 1770 *by one Pickering, an apothecary. Picke was followed by Deane, a son of "Pin" Deane of Reading, who manufactured by hand—some specimens of his handicraft being still in the possession of business. Other proprietors followed, notably Robert Wood, who died recentl the age of ninety-five. Robert Wood was succeeded in* 1919 *by J. J. Pickering had been apprenticed to Andrew Thompson, Carlisle, where William Martindale served his apprenticeship. The pharmacy has held the Royal Warrant to each ceeding monarch since the reign of George III, and, apart from being abrea modern developments, has maintained its dispensing and family character.*

PROS AND CONS OF APPRENTICESHIP

E annual meeting of members of the armaceutical Society resident in Scotd and the Scottish Branch Representaes' meeting were held jointly in Edingh, on June 4, Mr. H. T. Thomas airman of the Executive of the Scottish partment) presiding.

ry Thorough Training

MR. R. M. MCCRONE, Coatbridge, resenting the views of the practising pharcist, opened a discussion on apprentice student training. He said that his apnticeship had consisted of five years, hout the control of indentureship, " and y thorough training it was." Five years s too long, but had the pendulum not ing too far the other way? There was re in the training of an apprentice than demonstration of the art of compound- and dispensing medicines. There was atmosphere in the dispensary.

Apprenticeship in pharmacy should be dertaken when a person was young and not developed fixed ideas. At the sent time, apprenticeship might appear irksome routine for those taking a ner qualification, but what of the fue, with the introduction of one statutory lification? The majority of new pharcists would go into dispensaries, whether nospital or retail shop. He did not k they could be assured of efficiency n people possessing a mainly theoretical wledge of their craft.

ROFESSOR J. P. TODD, Glasgow, said e was a great deal of wisdom in Mr. Crone's views, but members were con- ed with aspects of pharmacy besides il. Some form of practical training necessary. Mr. McCrone's theory that should " catch them young " could be ied also. to college training, otherwise student might have lost the facility for y. Was apprenticeship a method of ittaining a flow of recruits? In the few years the colleges had produced recruits to pharmacy. A discussion on enticeship always tended to stress only point of view of the retail pharmacist. absorption by the apprentice of the sphere of the pharmacy was almost nly thing left today of the good old of apprenticeship, but he thought was no strong case for the continu- of the apprenticeship system as it ed today.

he examination for proficiency in prac- pharmacy was based on the Victorian tradition (sometimes wrong) that the candidate had experience and manual dexterity. Failure in that subject might bring him down in the whole examination. The examination in practical pharmacy and possibly also in forensic pharmacy, should be divorced from the rest of the examination until the student had gained some experience. Two years would be a reasonable time for that.

He was inclined to think that the Council's proposal to approve premises was lowering to the dignity of a pharmacist.

MR. A. A. MELDRUM (acting-chairman of the Society's Education Committee), said that the Council, and particularly its Education Committee, had always insisted that practical training was an important part of the pharmacist's training. When a student had undergone an academic course in a university, his position had to be treated somewhat differently from that of a boy or girl who entered upon a course of practical training at the age of sixteen or so. Having conceded the one-year post-qualifying course of training to the degree student, it was only proper that such a concession should be made to the Ph.C. graduate. The one-year's post-qualifying course did not require indentures and the Society had been content with the statutory declaration by the applicant himself that he had undergone the requisite period of tuition. Some pharmacists felt that that was not sufficient and, indeed, the Scottish Executive had asked the Council to investigate the conditions under which post-graduate students took their practical training.

It might be necessary to consider where and under whom those post-graduate students received their practical training because some pharmacies were not suitable for training purposes, and it was necessary for the Council to impose conditions of inspection.

Discussion

MR. W. A. PARK, Aberdeen, thought that the bulk of training in pharmacy should be for retail work. Apprentice-masters should recognise that the training of apprentices was a moral question. It was at the counter that apprentices learned to deal with people and it was there that they had the opportunity to increase the prestige and dignity of their profession. He considered that two years' practical training after qualifying was necessary.

Mr. H. H. Campbell, Edinburgh, said that it was the replacement of men able to practise retail or dispensing pharmacy on which the profession should concentrate. As a teacher, he had been in contact with students over many years and he had come to the conclusion that a bad apprenticeship would be better than none. There was a lack of familiarity with the contents of a pharmacy in students coming into the profession today. No one in a pharmacy school could train a pharmacy student, they could only give him the finishing touches. Pharmacy was repetitive and no College had time to give repetitive training. There must be apprenticeship and it should be taken before the final course of two years. The psychological aspect, too, had to be considered. When a student made a preparation in a college he knew that it was going down the drain; there was a certain shock, in making a preparation in a retail pharmacy, to know that you were the last person to handle it before it was taken. That sort of responsibility was not acquired at any school of pharmacy. The graduate in pharmacy was not looking for work in retail pharmacy. It was a dangerous practice to put such graduates on the register without proper practical training. The time might come when they decided to open a pharmacy, and that might lead to trouble.

Mr. C. G. Drummond, Edinburgh, said that he would like to see the whole training curriculum extended in a more cultural way. He thought that pharmacy in the old days lost a great deal through the narrow training ground which it offered. He commended the practice of keeping a logbook during apprenticeship and thought that more attention should be paid to those books when they were brought to the examination room.

Mr. C. W. Macfarlane, Dundee (a member of the Society's Council), wanted to see the private chemist take many more apprentices. Multiples and corporate bodies represented 10 per cent. of the total number of retail pharmacies in Great Britain yet, in 1949, 42 per cent. of the total number of apprentices were trained by them; in 1950 that figure had risen to 60 per cent., and in 1951 to 75 per cent.

Mr. A. E. Kelly, Edinburgh, was also of the opinion that shop experience helped a student when he went to College.

Professor Henry Dryerre, Edinburgh, said that it was fifty-seven years since he had served his apprenticeship. He been attached to three different shops in not one had there been a dispens department. Yet he had received a tr ing. It was the personality of the ma and not the accommodation that re mattered in the training of an apprent

Mr. Frank Hepburn, Edinbu thought that the old method of trai an apprentice was better than the pres day system of post-graduate training.

Mr. W. S. Taylor, Aberdeen, rec mended the training of a post-grad student "to anyone." He had lea "perhaps as much from the apprenti as the apprentice had learned from hin

Mr. W. Spence Culbert, Air thought the ideal apprenticeship was that was served after the apprentice taken the Intermediate examination.

Dr. McCall said that there seeme be general agreement on the value of p tical training, although there was disa ment on when it should be served, how. He had been very much impr by an address at Heriot-Watt Colleg Professor Guillot on pharmaceutical cation in France (*C. & D.*, June 2 850). In France, whatever the perso tering pharmacy was going to do ultim his first year in pharmacy had to b practical training. He did not get the register until he was twenty-five. macists in Britain should consider: it too early to put people on the re at the age of twenty-one?

Pharmacist and State

In an address on "The Pharmacist his Relation to the State," given by McCall in Edinburgh earlier in the he surveyed the relation of the pharm to the State in various countries, incl Germany, Russia, France, Austria, Scandinavian countries, America, Zealand, Australia, England, Wales Scotland. In countries where ther limitation of pharmacies, the head of lation per pharmacy was high, and macists broadly enjoyed an enhance tus, he said, and received adequate neration for professional services. O other hand, where there was no limi of pharmacies, the head of populatio pharmacy was low, the status of the macist was correspondingly depressed fessional pharmacy was uneconomic.

In preparing the case for the A tion Tribunal of 1951 under the Na Health Service, there had been a goo

tunity of looking at the distribution pharmacies in Scotland and of consider- the financial return obtained from the ctice of pharmacy. Scotland was found have more pharmacies per head of ɔulation than any other country under iew. The practice of pharmacy was v so closely linked with the National alth Service that the status and re- neration of the pharmacist under the vice must largely determine the ulti- te position of pharmacy in Britain. It l been shown that pharmacy, in itself, s an uneconomic proposition for ɔroximately 70 per cent. of the phar- cies in Scotland, and indeed it had n said that the National Health Ser- e was being subsidised by those phar- cies that could only afford to give an adequate pharmaceutical service be- cause of the mixed type of business which was carried on. It was often stated that pharmacists would prefer to conduct what were termed "high-class" pharmacies, provided they were economically sound, rather than a mixed type of business, which was the rule. The question of what improvement in status and remuneration could be expected from some degree of limitation of pharmacies was worthy of consideration. There was no new prin- ciple involved in so far as the Health Ser- vice was concerned, since the Medical Practices Committee already controlled the number of medical practitioners in any given area. The Pharmaceutical List, on the other hand, was open to all phar- macists.

MEDICAL ABSTRACTS

Failure in Schistosomiasis. — Haseeb, ıartoum ("British Medical Journal," 52.1.1331-32) reports failure in the use 1-diethylaminoethylamino-4-methylthi- anthone hydrochloride (Miracil D or lodin) in seven cases of schistosomiasis ated in the Sudan. Only one case erated the drug fairly well, the other showing signs of toxicity, usually on e third day. The intolerance of the drug ıongst the Sudanese was in the author's ew acting as a deterrent to its mass e.

Nitrogen Mustard in Arthritis.—Re- ırkable results are reported from Madrid Journal of the American Medical Asso- tion," 1951.147.1418-19) in the treat- nt of rheumatoid arthritis with nitrogen ıstard. The use of the drug for the rpose was suggested to the investigators, az and others, by a reported relationship tween cortisone, ACTH, and nitrogen ıstard. Of nine patients who received atment (normally 6 mgm. per injection) e improved "extraordinarily, with com- te disappearance of the pain and swel- g of the joints" and three improved ısiderably but not completely.

Kemadrin in Parkinsonism.—A clinical ıl (involving 50 patients) of Kemadrin ɔostencephalitic Parkinsonism is reported the "Lancet" (1952. 262. 583-85) by ntuschi and others, who find that the g is valuable in relieving rigidity, de- ssed emotional tone and other symptoms the disease. It was administered in an rage dose of 15 mgm. three times a for periods varying from three to en months. The therapeutic effects were indistinguishable from those of Artane. Toxic side-effects (giddiness) were noted in three patients, but were relieved by reducing the dose.

Fatal Phenobarbitone Eruptions.— Sneddon and Leishman ("British Medical Journal," 1952.1.1276-78) report on four severe cases of phenobarbitone eruptions, two of them ending fatally and a third being saved only by the use of adreno- corticotrophic hormone, which they had seen at one hospital during eighteen months. The cases had had doses of phenobarbitone gr. ½ given from twice to four times daily. Post-mortem examina- tions showed no specific pathological change. The authors suggest that the potential dangers of phenobarbitone skin eruptions "may not be sufficiently appre- ciated."

A Short-acting Muscle Relaxant.—A study of succinylcholine (succinoylcholine) as a muscle relaxant is published by Bourne, Collier and Somers ("Lancet," 1952.1.1225). As a result of its use on 546 patients they find it a safe and effec- tive muscle relaxant, particularly in short procedures such as intubation, electro-con- vulsive therapy, and orthopædic manipu- lation. In most people the relaxant effect lasted for not more than eight minutes. Evans, Gray, Lehmann and Silk, St. Bar- tholomew's Hospital, London (*ibid.* pp. 1229-30) found that succinylcholine was a competitive inhibitor of acetylcholine hy- drolysis, and suggest that the duration of its action depends on the speed of its re- moval by the "pseudo" cholinesterase of the plasma.

PHARMACEUTICAL DEVELOPMENTS IN BRAZIL

THE Brazilian Export-Import Department is refusing to license imports of sodium bicarbonate from the United States and points out that Great Britain can fill the country's needs at favourable prices. There is no local production and licences were issued to import 5,918 tons in the first nine months of 1951, against 4,208 tons during the whole of 1950. The Department is also licensing imports of tartaric and acetic acids against payment in non-convertible currencies only. Imports of pure calcium chloride are being licensed to be paid for in any currency. Consumption is of the order of 40 tons annually. Imports of citric acid have been suspended to protect the national industry, which claims to be able to deliver 20 tons monthly though its product is more expensive than imported citric acid. The decision is being reviewed at the end of six months, when the ban will be lifted if the manufacturer is unable to reduce his price.

Antibiotics Production

Rh testing serums are now produced in Brazil and marketed throughout the country by a company affiliated to Johnson & Johnson (U.S.A.). The Commission for Industrial Development has received three proposals to manufacture penicillin in Brazil. E. R. Squibb & Sons wish to install a laboratory in Sao Paulo with initial capacity to produce 700,000 million international units monthly, to be increased by 50 per cent. when required. Industria Brasileira de Produtos Quimicos, which already manufactures penicillin, proposes to augment its installations, and another firm, Cia. Quimica Rhodia Brasileira, will extend its range of production to 700,000 million units monthly. Messrs. Squibb's offer has been accepted, but the other two firms, which applied for a bank loan and customs exemptions, have been informed that they must obtain the consent of the competent authorities. Though Brazil imports on an average 700,000 million units monthly, and consumption is increasing, production will exceed the local demand for some time to come if all three proposals are accepted. During the first ten months of 1951 imports of antibiotics from the U.S. cost Brazil U.S. $15,840,000. The Commission has also received an offer from T. C. Wheaton & Co. to manufacture containers for pharmaceutical products and perfumery.

The building of a factory by a Germ firm to produce photographic materi has been approved. During recent mon Germany has been making great efforts recapture some of its traditional mark in Brazil. Apart from building factor there it has been offering goods on tremely favourable credit terms. Japan also anxious to increase her trade, thou Brazil's lack of foreign currency may b stumbling block.

Exports to Britain

During the first quarter of 1952, Br exported to Britain the following: M thol, 550 lb. at an average of 43s. per lb.; peppermint oil (*arvensis*), 23, kilos (valued at £45,925); sassafras 4,064 kilos (£1,960); copaiba balsa 1,025 kilos (£1,114). Of the total exp of menthol (32,525 kilos) the bulk went the U.S. The Brazilian Health Serv has authorised sales of *iso*-nicotinic a hydrazide and a number of laborato have received permits to import the duct in bulk, to be made up locally. tuberculosis is responsible for a high centage of deaths demand is expected be heavy.

During the same quarter licences to port British goods included forty-seven unspecified pharmaceutical produ valued at £35,197; six for cod-liver at £3,452; six for pharmaceutical essen at £10,925, and industrial chemicals the value of £223,321.

The issue of import licences for g from all sources, but particularly f the U.S., has been progressively tighte up. The number declined from 6,02. December, 1951, to 5,722 in Janu 3,305 in February and 1,595 in Ma The proportion of permits issued for ish goods dropped from 14 per cent the total in December, 1951, to 11.4 cent. in January, recovered to 14 cent. in February, then dropped to 10.4 cent. in March. Licences were gra more freely in the second half of Ma when the percentage rose to 12.78.

The value of drugs and medicines by 404 registered laboratories and im ters was £69,738,614 during the last s months of 1951. Of this sum 20 per represented sales of essential products. which prices were frozen at the 1950 l During the year ended June 30, the of antibiotics produced in Brazil dro by 40 per cent.

TRADE REPORT

ɔt quotations for pharmaceutical chemicals represent the prices for wholesale quanti- s of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

LONDON, JULY 23

E markets were a little more active ıin during the week, though the activity s not reflected in profits, holders of TANICAL DRUGS being willing to accept ses to clear their stocks of several com- dities. In Tinnevelly SENNA the firmer dency noted last week continued. There re indications that shippers are anxious sell LEAVES rather than PODS. New-crop GOT, always the classic enigma of the rket at this time of the year, moved from the price indicated last week, en buyers placed firm orders without viously obtaining firm offers. No busi- ss, of course, was done, and it seems ıt none can be done until the Portu- ese shippers adopt a more orthodox ding policy. African GINGER on the ɔt fell by 2s. 6d. per lb. in sympathy th forward prices, and the Jamaican terial was again easier at origin. For- rd prices of Prime Cape ALOES, CAN- A BALSAM, GENTIAN and Mombasa ILLIES showed a decline. On the other nd, the market in SHELLAC became firm. e Ministry of Food is considering appli- ions to import limited quantities of AR from Japan or South Korea. Appli- ions must be sent to the Ministry be- e July 30, and the licences to be issued ll cover the period up to the end of ptember.

phur Allocations

The international sulphur allocations for second half of 1952 (see p. 97) were nounced in Washington during the week. e total amount to be distributed repre- ts a rise of 246,860 tons over the pre- us half year, and the increase for the ited Kingdom is 1,000 tons. If any the countries do not take up their allo- ions within the period, the material may reallocated to any country needing extra ɔunts.

ce Schedules Withdrawn

There were few prices changes in PHAR- CEUTICAL CHEMICALS, but manufacturers CAFFEINE and THEOBROMINE withdrew r price schedules on July 21. Exports ASPIRIN during June were again at a h level (see p. 116).

SSENTIAL OILS exported during June e valued at £55,749, against £98,888 June 1951. Imports, at £347,224 42,268), also reflected the dull condi- s prevailing in the markets at home and ɔad. Chinese or Japanese PEPPERMINT *ensis*) continued firm. Otherwise prices ıany oils tended to decline.

U.S. Drug and Chemical Report

NEW YORK, JULY 22

AMERICA'S foreign trade in chemicals and allied products has quintupled since 1939, reaching $1,600 millions in 1951. Imports as well as exports have shown a continued rising tendency but the weight of evidence seems to indicate that the 1951 figures will not easily be exceeded, owing to exhaustion of dollar accumulations abroad, the shading off of some prices, a decrease in advance or scarce buying, and lessened U.S. expenditures for some raw materials resulting in reduced dollar availabilities from current trade. SULPHURIC ACID and all other acids are in adequate supply to meet consumer demand. Prices for CAFFEINE were cut 50 cents per lb., to $3.50 for the ANHYDROUS product. Limited demand brought ERGOT down to $4.00 per lb. (50 cents). In the ESSENTIAL OILS market Siberian PINE NEEDLE at $3.00 was down 75 cents and Dalmatian SAGE at $9.75 was down 25 cents.

THE following prices are ruling today:

	Cents per lb.
Acetone	8.50-10.50
Camphor, synthetic, U.S.P.	60.00
Glycerin, pure	34.50
Guaiacum resin	31.62-32.00
Hexamine	23.25
Magnesia, calcined	32.00-32.75
DDT	40.00-50.00
Sodium bromide	34.00-35.00
	Dollars per lb.
Iodine, resublimed	2.55-2.78
Menthol	6.1
Sulphanilamide	1.30-150
Theobromine	4.50
	Dollars per oz.
Emetine hydrochloride	38.75-42.75
Atropine	9.00-11.50
Nicotinamide	12.00-12.30 per kilo
Streptomycin	27.00-30.00 cents per gm.
Penicillin, procaine bulk 50 to 5,000 million unit lots) per 100,000 units	1.90-2.50 cents

Pharmaceutical Chemicals

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE, B.P., are 7s. 6d. per lb. for 1-10-cwt. and SODIUM TARTRATE, B.P., 13s. 3d.

ASCORBIC ACID. — For pharmaceutical manufacturing use in the United Kingdom, the rates (per kilo) are as follows:—1 kilo, £9 12s. 6d.; 10 kilo, £9 6s.; 100 kilo, £9.

BROMIDES.—POTASSIUM B.P. crystal in 5-cwt. lots is 2s. 10d. per lb.; 1-cwt.,

2s. 11d. per lb. Powder is 1½d. per lb. more. AMMONIUM is 2s. 11d. per lb. in 5-cwt. lots and SODIUM, 2s. 9d. per lb.

CALAMINE.—Rates per lb. are as follows:—1-cwt. lots, 2s. 7d. per lb.; 28-lb., 2s. 11d.; 7-lb., 3s. 3d. Rates for ZINC CARBONATE are halfpenny per lb. less than for calamine.

CHLOROFORM.—1-cwt. lots in winchesters are now 3s. 6d. per lb.; 56-lb., 3s. 6½d. In drums, prices are 3s. 4d. and 3s. 4½d.

DEXTROSE, B.P.—Rates are as follows:—

MONOHYDRATE	1-4 cwt.	5-cwt.
½-lb. carton ...	12s. 9d. doz.	—
1-lb. carton ...	23s. 6d. doz.	—
7-lb. tin ...	13s. 3d. each	12s. 3d.
14-lb. tin ...	25s. 0d. each	23s. 6d.
28-lb. tin ...	47s. 0d. each	45s. 0d.
	Above, less 12½ per cent. to wholesalers, delivered.	
100-lb. bags ...	£127 per ton, ex works or store, for minimum 1-ton lots.	

ANHYDROUS	1-4 cwt.	5-cwt.
7-lb. tin ...	13s. 9d. each	12s. 9d.
14-lb. tin ...	26s. 0d. each	24s. 6d.
28-lb. tin ...	49s. 0d. each	47s. 0d.
	Above, less 12½ per cent. to wholesalers, delivered.	
100-lb. bags ...	£132 per ton, ex works, for minimum 1-ton lots.	

NICOTINIC ACID.—Prices (per kilo) are as follows:—In lots of 500 gm. and under 1 kilo, 110s.; 1-10 kilos, 107s. 6d.; 10-25 kilos, 105s.; 25-50 kilos, 102s. 6d.

QUININE. — Makers' rates (per oz.) to home-trade distributors are given below:—additional charges must be added for repacking, etc. ALKALOID, from 5s. to 5s. 6d.; ACETYLSALICYLATE, 6s. 3d. to 6s. 9d.; BISULPHATE, 3s. 7d. to 4s. 1d. DIHYDROBROMIDE and DIHYDROCHLORIDE, 4s. 11d. to 5s. 5d.; FORMATE, 5s. 9d. to 6s. 3d.; GLYCEROPHOSPHATE, and PHOSPHATE, 5s. 5d. to 5s. 11d.; HYDROBROMIDE and HYDROCHLORIDE, 4s. 6d. to 5s.; SALICYLATE, 4s. 8d. to 5s. 2d.; SULPHATE, 4s. to 4s. 6d.; QUININE and UREA HYDROCHLORIDE is quoted from 4s. 10d. to 5s. 4d.

SULPHATHIAZOLE. — Price (per lb.) for 1-cwt. lots is 21s. 9d.

THYMOL.—In 28-lb. lots the price is 23s. per lb.

TRIETHANOLAMINE. — Commercial grade is 3s. per lb. for drum lots, ex warehouse.

ZINC OXIDE.—Minimum (2 tons) rates are as follows:—B.P., £166 per ton; white seal, £153 10s.; green seal, £152 10s.; red seal, £151.

Crude Drugs

AGAR.—Firm. Kobé No. 1 on the sp is from 14s. 6d. to 15s. per lb.

ALOES.—Prime Cape is weaker at abo 162s. 6d. per cwt., c.i.f.; spot is unchang at 185s. Curaçao is 360s. per cwt., sp

BALSAMS.—*Canada:* Spot is now 27s. 6 per lb. for clear bright, paper - filtere forward, 25s. 6d. per lb., c.i.f., prom shipment. *Copaiba:* Para, soluble offered on the spot at 17s. 6d. per *Peru* is 14s. per lb., duty paid, and 12s. 9 c.i.f. *Tolu* (genuine as imported) on t spot is 32s. 6d. per lb., and for shipme 31s., c.i.f.

BENZOIN.—No. 1 Sumatra block on t spot is quoted at from £27 10s. per c and for shipment, £25 10s., c.i.f. Si almonds are from 27s. 6d. to 37s. 6d. lb., spot, as to size.

CASCARA SAGRADA.—American bark, 1 peel, is 275s. per cwt., duty paid. N crop, 220s., c.i.f.

CHILLIES.—Quiet. Sierra Leone on spot are 200s. per cwt.; for shipme 160s., c.i.f.; East African (Mombas 240s., ex warehouse; for shipment, 21 c.i.f.

CINNAMON. — Ceylon for shipm (c.i.f.): OOOO, 2s. 4¾d.; OOO, 2s. 3¾ OO, 2s. 2¾d.; O, 2s. 1¾d.; firsts, 1s. 8¼ seconds, 1s. 8d.; thirds, 1s. 6¾d.; qu ings, 1s. 4d.; featherings, 1s.; chips, 5 per lb.

COCHINEAL.—Black is from 7s. 3d. 7s. 9d. per lb., as to quality, and sil grey, 6s. 3d. to 7s., spot.

ERGOT.—Portuguese new-crop for Ju August shipment is nominal at 17s. per c.i.f. No business reported.

GENTIAN.—French natural on spot 115s. per cwt., and 112s., c.i.f.

GINGER. — African on the spot 112s. 6d. per cwt., and 102s. 6d., c. July-August shipment of new-crop. S quotations for Jamaican are from 17 to 190s. per cwt., as to quality, and f 150s., c.i.f., for shipment.

GUM ACACIA. — Kordofan cleaned s on the spot are 102s. 6d. per cwt.; s ment, 93s., c.i.f., buyer's licence.

HENNA.—Indian green leaves are al 77s. 6d. per cwt., on the spot. June s ment of Sudanese, 110s., c.i.f.

IPECACUANHA.—Forward offers of Ni aguan, July-August shipment, are from to 46s. per lb., c.i.f., and Colombian, 4 c.i.f. Spot quotations are: Nicarag 48s., and Colombian, 44s.

MENTHOL.—Chinese is 56s. per lb., paid, and Brazilian, 46s., duty paid.

MYRRH.—Aden selected sorts are qu at from £17 to £18 per cwt., on the s Siftings are from £7 10s. to £8 10s., granulated, £13.

PAPAIN.—Steady. East African, No. 1, 39s. per lb., c.i.f., and Ceylon sun-dried, . 6d., c.i.f.

PODOPHYLLUM.—Emodi root on the spot 275s. per cwt., nominal. Shipment offers about 200s., c.i.f.

RHUBARB.—Quiet. Shensi is 11s. 6d. per ; Double Deer No. 1, 8s.; other grades Chinese rough round at from 3s. 9d. to all duty paid.

SARSAPARILLA. — Jamaican native red about 2s. 6d. per lb., on the spot.

SEEDS. — ANISE. — Turkish, 135s. per t., in bond. CARAWAY.—Dutch quoted from 92s. 6d. to 95s., duty paid. CELERY. Indian quiet with sellers at 1s. 9d. per spot London. CORIANDER.—Spot, no siness passing. Morocco quoted at 55s. cwt., duty paid. Argentine splits, s. 6d., duty paid. Shipment: Owing to local speculation in Morocco, sellers now asking 40s., c.i.f. Business has n reported at 38s. 6d., c.i.f., London, the beginning of the week. CUMIN.— rket unchanged. Spot Cyprus, 185s. cwt.; Indian, 180s. and Morocco, 200s., ty paid. DILL.—Indian is still offered 82s. 6d. per cwt., spot London. FENNEL. Indian, 200s. per cwt.; French, 185s., ty paid. FENUGREEK. — Morocco quiet. llers ask 39s. per cwt., duty paid, for t, London or Liverpool. MUSTARD.— glish, 85s. to 107s. 6d., according to lity.

SENEGA. — Quiet. Spot supplies are . 6d. per lb. July-August shipment ers are 10s. per lb., c.i.f., for new-crop.

SENNA.—Forward position of *Tinnevelly* t-crop is obscure at present with higher ces indicated. Quotations are: LEAVES : . 1, 1s. 3½d. per lb.; No. 2, 1s. 1d.; No. 9¾d.; PODS: f.a.q., 1s. 4d.; hand-picked, 9d.

SHELLAC. — Spot quotations are: O.T.N., pure, 197s. 6d.; F.O. Standard . 1, 220s.; fine orange, 230s. to 290s. cwt., ex-London warehouse.

STROPHANTHUS.—*Kombé*, 100 per cent. quoted at 18s. per lb. on the spot. *itus* shipment prices are in the neighrhood of 30s. per lb., c.i.f.; spot maal, 34s. per lb.

VAXES.—BEES'.—Dar-es-Salaam on the t is 430s. per cwt.; shipment, July-gust, 375s., August-September, 365s., . Benguela on the spot is 400s. per ., in bond; shipment, 365s., c.i.f. CANDELILLA.—Spot supplies are offered at 3s. per cwt.; no shipment offers. CARNAUBA.—Prime yellow, spot, 1,190s.; afloat, 70s., c.i.f., and for shipment, 1,150s., ., per cwt. Fatty grey, spot, 900s. per and 880s., c.i.f., for shipment. MONTAN.—Reibeck crude on the spot is 140s. cwt. OURICURI.—Spot 0.5 per cent. urities, 700s. per cwt.

Essential and Expressed Oils

CADE.—Supplies of Spanish are from 2s. per lb., ex warehouse, London.

CARAWAY.—Quiet. English-distilled is offered at 45s.; imported oils are from 30s. per lb., for spot.

CASSIA.—Spot supplies are offered from 21s. per lb.

CEDARWOOD.—Spot quotations for Kenya are from 4s. 6d. per lb.

CHENOPODIUM. — 1-cwt. lots are 75s. per lb.

CLOVE.—English-distilled oil is 50s. per lb., nominal, with imported oils from 21s. 6d. Madagascar leaf on the spot is 15s. per lb., duty paid, and 11s. 6d., c.i.f., for shipment.

CORIANDER. — Russian-seed oil is 175s. per lb. Dutch-seed oil, 170s. per lb.

CUBEBS.—English-distilled is offered at from 50s. to 55s. per lb. Imported is quoted at 60s. per lb.

CUMIN.—Quotations for English-distilled oil are about 75s. per lb.

DILL.—English-distilled oil is quoted at about 65s. per lb. for B.P. quality. Imported oils are offered at 40s. per lb. with East Indian at 30s., spot.

FENNEL. — Spanish sweet on the spot is quoted at from 9s. to 12s. 9d. per lb.

JUNIPER BERRY. — Imported oils are offered at 22s. 6d. per lb., duty paid. English-distilled is offered at 75s. to 95s. per lb., as to seller and grade.

OLIVE. — Pharmaceutical oil in 45-gall. drums, spot, is from 24s. 6d. to 25s. per gall. French virgin is offered for immediate shipment at £240, and French pharmaceutical (maximum acidity 0.25 per cent.), at £230 per 1,000 kilos, c.i.f. U.K. ports. Spanish is £220 10s. per 1,000 kilos, f.o.b., main Spanish ports.

ORANGE.—Spot offers range from 17s. to 19s. per lb.

OTTO OF ROSE. — Turkish is from 400s. per oz., and Bulgarian, 450s., nominal, spot.

PEPPERMINT.—Firm. Chinese *arvensis* oil on the spot is from 37s. 6d. per lb. for 5-case lots; Brazilian, 18s. per lb., in drums; Italian "Mitcham" type, from 58s. 6d. to 60s.

PIMENTO BERRY. — English-distilled oil, 57s. 6d. per lb. Imported oil is from 55s. per lb., spot.

PINE.—*Pumilionis* on the spot is quoted at from 18s. to 20s. per lb.; *sylvestris* is at about 11s. per lb., and Siberian (*abietis*) is from 18s. to 20s. per lb., duty paid, as to holder.

SANDALWOOD. — Mysore oil on spot is from 69s. per lb., as to quantity; Australasian oil is offered at 45s. per lb.; West Indian, 19s. 3d.

TRADE MARKS

From the " Trade Marks Journal," July 9

For products prepared from terpenes of clove essences for use in the manufacture of perfumery (3).
VETYNAL, 702,216, by L. Givaudan & Cie, S.A., Geneva, Switzerland.

For soaps, excluding polishing soap (3).
CAMEL, 706,379, by Joseph Crosfield & Sons, Ltd., Warrington.

For soaps (3).
NEUTROGENA, 707,281, by Louis Edmond Georges Hubert Fromont, Brussels, Belgium.

For aspirin in tablet form (5).
Q.A. 691,350, by Thompson & Capper Wholesale Ltd., Liverpool.

For medicated preparations for internal human use (5).
KIK, 704,118, by Edward Hack, London, W.C.1.

For impregnated cloths for antiseptic, deodorising and disinfecting purposes, (5).
ROCLOTH, 705,611, by Bayer Products, Ltd., London, W.C.2.

For pharmaceutical preparations and substances (5.)
LOCAN, B705,945, by Allied Laboratories, Ltd., London, W.1. SELSUN, 706,526, by Abbott Laboratories, Chicago, U.S.A. PROTORMONE, 706,876, by The Wellcome Foundation, Ltd., London, N.W.1. BUCCOIDS, 707,507, by Organon Laboratories, Ltd., London, W.C.2.

For disinfectants for use in glass washing (5).
STERILENS, 705,951, by the Moreton Engineering Co., Ltd., Wirral, Ches.

For liquid disinfectants (5).
DRYCOL, 706,040, by Church Paint & Varnish Co., Ltd., Church, Lancs.

For pharmaceutical emulsions for the treatment of threadworms (5).
DICIN, 706,136, by Philip Harris Ltd., Birmingham.

For all goods (5).
GAMODEX, 706,575, by Deodor-X Co. of England, Ltd., Ellesmere Port, Ches.

For medicated sweetmeats (5).
CLOR-O-FILT, B706,626, by Swizzels, Ltd., Stockport, Ches.

For deodorants (5).
KOOLIE, 706,705, by Delavelle (G.B.), Ltd., London, N.1.

For fly papers (5).
Device of basket of flowers, 706,704, by James Cox & Co., South Harrow, Middlesex.

For medicated mouth-washes (5).
ODOL, 706,817, by Cranbux, Ltd., Norwich.

For pharmaceutical and sanitary substances, infants' and invalids' foods, and dietetic foods (5).
SLENDRINA, SLENDRINO, 707,355-56, by Starch-Free Foods, Ltd., London, E.C.3.

For syringes (21).
BURMEX, 705,662, by Townson & Coxson, Ltd., Birmingham.

From the " Trade Marks Journal," July 16

For pads of cotton for use as toilet articles (
COETS, B705,115, by the Personal Pro Corporation, New Jersey, U.S.A.

For all goods (5).
BACKIN, 702,988, by Dr. August Oetker, feld, Germany. FRANASADE, 707,100, by Thomas Franks, Torquay.

For non-medicated toilet preparations (3) *an pharmaceutical preparations for human and inary use, sanitary substances, disinfectants medicated toilet paper* (5).
SAN IZAL, 706,909-10, by Newton, Cha & Co., Ltd., Sheffield.

PRINT AND PUBLICITY

Film as Publicity Link.—Biometica, Ltd. tree, Herts, are including a leaflet with tu their Bu-to hair remover advertising the " Ivanhoe " and Bu-to as two of the best out of Elstree.

Press Campaigns.—ILFORD, LTD., Ilford, have taken a half-page advertisement in the ' Express " for August 1.—CANNON RUBBER FACTURERS, LTD., Cannon Works, Ashley Road tenham, London, N.17, are advertising Modern teat in the " Daily Mirror " on Aug

Display " Crowners."—D.D.D. Co., Ltd Rickmansworth Road, Watford, Herts, have a series of summer display crowners for products. Each is cut in the form of a " D " and slips easily into the carton. displayed in series form the company's trade

Medical Leaflets.—Leaflets, folders and b are obtainable from manufacturers as below : —

THE ARMOUR LABORATORIES (Armour Ltd.), Lindsey Street, London, E.C.1 : " Thy Tablets for Obesity " (12-p. booklet).

EVANS MEDICAL SUPPLIES, LTD., Speke, pool, 19 : " Coronary Thrombosis and Allie ditions " (4-p. leaflet).

PAINES & BYRNE, LTD., Pabyrn Labor Bilton Road, Greenford, Middlesex : " Ce-K " Nebadrene "; " Pabyrn tablet No. " Dephadren " (information cards).

PARKE, DAVIS & CO., LTD., Hounslow, sex : " Parke-Davis Bulletin " No. 2 (12-pp.); " Chloromycetin Topical " (" se pharmacists " card).

PHARMACEUTICAL SPECIALITIES (MAY & LTD., Dagenham, Essex. " Vegolysen T " " Vegolysen and Vegolysen T " (first ed 62-p. booklet); " Brulidine " (first edition booklet); " Pheniodol " (fourth edition booklet).

ROUSSEL LABORATORIES, LTD., 847 Harro London, N.W.10 : " Moral Priority on covery of Iso-nicotinyl Hydrazide " (4-p. " Pregnenolone, Roussel " (card); " Am Roussel " (card and 24-p. booklet).

SHARPE & DOHME, LTD., Hoddesdon, " Stolic and Stolic Forte Tablets " (4-p.

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The antiseptic cream

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...EN & HANBURYS LTD. LONDON E2

The CHEMIST AND DRUGGIST
JULY 26, 1952



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